CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Sept. 26	Aurora, Ill. Adv. Sept. 22.	Sept. 22
Sept. 26	St. George, S. I., N. Y.	Sept. 22
Sept. 26	New York, N. Y.	Sept. 22
Sept. 27	Pryor Creek, Okla.	Sept. 22
Sept. 27	Dayton, Ia.	Sept. 22
Sept. 28	Boone, N. C.	Sept. 22
Sept. 29	New York, N. Y.	Sept. 22
Sept. 30	Brooklyn, N. Y.	Sept. 22
Sept. 30	Long Island City, N. Y.	Sept. 22
Oct. 2	Greybull, Wyo.	Sept. 22
Oct. 7	Collinsville, Ill. Adv. Sept. 1 to 22.	Sept. 1

SEWERS

Sept. 26	Lansing, Mich. Adv. Sept. 22.	Sept. 22
Sept. 26	Osborn, O.	Sept. 22
Sept. 28	Port Washington, Wis.	Sept. 22
Sept. 28	Maumee, O.	Sept. 22
Sept. 29	Montreal, Que.	Sept. 22
Sept. 30	Phila., Pa.	Sept. 22
Oct. 1	Dayton, O.	Sept. 22
Oct. 3	Brownville, N. Y. Adv. Sept. 15 and 22.	Sept. 15
Oct. 4	Clifton, N. J.	Sept. 8
Oct. 4	Toledo, O. Adv. Sept. 8 to 22.	Sept. 15
Oct. 6	Shaker Heights, O.	Sept. 22
Oct. 11	Passaic, N. J.	Sept. 22
Oct. 11	Hagerstown, Md. Adv. Sept. 15 and 22.	Sept. 22

BRIDGES

Sept. 27	Cadillac, Mich.	Sept. 22
Sept. 28	Kentucky	Sept. 22
Sept. 30	Sunderland, Mass. Adv. Sept. 15 and 22.	Sept. 22
Oct. 2	Sauk City, Wis.	Sept. 15
Oct. 3	San Bernardino, Cal.	Sept. 22
Oct. 3	Wyoming	Sept. 22
Oct. 4	Illinois	Sept. 22
Oct. 6	Springfield, Mass.	Sept. 22
Oct. 14	Detroit, Mich. Adv. Sept. 22.	Sept. 22

RAILWAYS

Sept. 28	Massachusetts	Sept. 22

EXCAVATION AND DREDGING

Sept. 26	Mayville, Wis.	Sept. 22
Oct. 4	Trenton, N. J. Adv. Sept. 8 to 22.	Sept. 8
Oct. 4	Boise, Idaho	Sept. 15
Oct. 12	Baton Rouge, La. Adv. Sept. 15 and 22.	Sept. 22

STREETS AND ROADS

Sept. 24	Bedford, O.	Sept. 22
Sept. 26	California	Sept. 15
Sept. 26	Dayton, O.	Sept. 22
Sept. 26	Connecticut Adv. Sept. 22.	Sept. 22
Sept. 26	Osborn, O.	Sept. 22
Sept. 26	Los Angeles, Cal.	Sept. 22
Sept. 26	Canton, Tex.	Sept. 22
Sept. 27	New Orleans, La.	Sept. 1
Sept. 27	Long Island City, N. Y.	Sept. 22
Sept. 27	Amite, La.	Sept. 8
Sept. 27	Minnesota	Sept. 15
Sept. 27	Pennsylvania Adv. Sept. 8 to 22.	Sept. 15
Sept. 27	Maryland Adv. Sept. 22.	Sept. 22
Sept. 27	Mexico, Mo.	Sept. 22
Sept. 27	Jefferson City, Mo.	Sept. 22
Sept. 27	Columbus, Kan.	Sept. 22
Sept. 27	Colorado	Sept. 22
Sept. 28	Maplewood, Mo.	Sept. 8
Sept. 28	Kentucky	Sept. 22
Sept. 28	Northwood, Ia.	Sept. 22
Sept. 28	Brooklyn, N. Y.	Sept. 22
Sept. 29	Montreal, Que.	Sept. 22
Sept. 30	Emporia, Kan.	Sept. 8
Sept. 30	Troy, Kan.	Sept. 8
Sept. 30	Moundsville, W. Va.	Sept. 22
Oct. 3	Klamath Falls, Ore. Adv. Sept. 8 to 22.	Sept. 8
Oct. 3	Harrisonburg, La.	Sept. 8
Oct. 3	California	Sept. 22
Oct. 4	Minnesota	Sept. 15
Oct. 4	Illinois	Sept. 22
Oct. 4	Massachusetts	Sept. 22
Oct. 5	Providence, R. I. Adv. Sept. 15 and 22.	Sept. 22
Oct. 6	Webster Springs, W. Va.	Sept. 22
Oct. 6	Pecos, Tex.	Sept. 22
Oct. 7	Belleville, Kan.	Sept. 8
Oct. 11	Leavenworth, Kan.	Sept. 8
Oct. 13	Weehawken, N. J.	Sept. 15
Oct. 14	Belleville, Kan.	Sept. 15
Oct. 17	Alabama	Sept. 15

INDUSTRIAL WORKS

Sept. 26	Madison, Wis.	Sept. 8
Sept. 27	Moline, Ill.	Sept. 22
Sept. 29	Oak Park, Ill.	Sept. 22

BUILDINGS

Sept. 24	Detroit, Mich.	Sept. 22
Sept. 26	Cheyenne, Wyo.	Sept. 1
Sept. 26	Uhrichsville, O.	Sept. 22
Sept. 26	Detroit, Mich.	Sept. 22
Sept. 27	Ann Arbor, Mich.	Sept. 8
Sept. 27	Des Moines, Ia.	Sept. 8
Sept. 27	St. Louis, Mo.	Sept. 22
Sept. 27	Danville, Ill.	Sept. 22
Sept. 27	Wakefield, Mass.	Sept. 22
Sept. 27	Athol, Mass.	Sept. 22
Sept. 28	Rochester, N. Y.	Sept. 8
Sept. 29	Wichita, Kan.	Sept. 22
Sept. 30	Shelton, Conn.	Sept. 8
Sept. 30	Memphis, Tenn.	Sept. 15
Sept. 30	Portsmouth, O.	Sept. 22
Oct. 1	Leavenworth, Kan.	Sept. 22
Oct. 1	Rosedale, Kan.	Sept. 22
Oct. 1	Milwaukee, Wis.	Sept. 22
Oct. 4	Pineville, La.	Sept. 15
Oct. 10	Harrisburg, Ill.	Sept. 22
Oct. 11	Providence, R. I.	Sept. 22
Oct. 24	Cleveland, O.	Sept. 8
Feb. 1	Williamsport, Pa.	Sept. 8

FEDERAL GOVERNMENT WORK

Sept. 26	Hydraulic Dredge — Phila., Pa. Adv. Sept. 1 to 22.	Sept. 1
Sept. 26	Riprap — Tompkinsville, N. Y.	Sept. 22
Sept. 27	Addition to Boiler House, etc. —Phila., Pa. Adv. Sept. 8 to 22.	Sept. 8
Sept. 28	Power Plant Impvts.—Annapolis, Md.	Sept. 8
Sept. 28	Dispensary—Wash., D. C.	Sept. 15
Sept. 29	Sewage Ejector — Stockton, Cal.	Sept. 22
Sept. 29	Tank and Tower—Alexandria, La.	Sept. 22
Sept. 30	Gate Locks and Valves—Rock Island, Ill. Adv. Sept. 8 to 22.	Sept. 8
Sept. 30	Entrances—Wash., D. C.	Sept. 15
Oct. 1	Hospital—Marion, Ind.	Sept. 22
Oct. 1	Hospital — Leavenworth, Kan.	Sept. 22
Oct. 1	Hospital—Milwaukee, Wis.	Sept. 22
Oct. 1	Hospital—Dayton, O.	Sept. 22
Oct. 4	Refrigerating Plant—Key West, Fla.	Sept. 15
Oct. 5	Power House, etc.—Chemawa, Ore.	Sept. 22
Oct. 6	Alterations to Post Office, etc.—Springfield, Mo.	Sept. 15
Oct. 10	Plumbing System—Memphis, Tenn. Adv. Sept. 22.	Sept. 22
Oct. 12	Lighting Plant, etc.—Port Townsend, Wash.	Sept. 22
Oct. 15	Revetment — Jacksonville, Fla. Adv. Sept. 22.	Sept. 22

MISCELLANEOUS

Sept. 26	Fiber Paving Bricks—St. Paul, Minn.	Sept. 22
Sept. 28	Core Stone, etc.—Coney Island (Brooklyn P. O.)	N. Y. Sept. 8
Sept. 28	Crane—New York, N. Y. Adv. Sept. 1 to 22.	Sept. 1
Sept. 28	Eyebolts—Milwaukee, Wis.	Sept. 22
Sept. 29	Park—Brooklyn, N. Y.	Sept. 22
Sept. 30	Breakwater—Coburg, Ont.	Sept. 8
Sept. 30	Tunnel—Seattle, Wash.	Sept. 8
Sept. 30	Asphalt Road Oil—Brooklyn, N. Y.	Sept. 22
Sept. 30	Motor Driven Trucks—New York, N. Y.	Sept. 22
Oct. 3	Gravel—Leesville, La.	Sept. 22
Oct. 4	Cranes, etc.—Stapleton, S. I., N. Y.	Sept. 8
Oct. 4	Dragline Machine—Greenville, Miss. Adv. Sept. 15 and 22.	Sept. 15

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Perrysburg—City of Buffalo having plans prepared for circular rein.-con. reservoir, 1,000,000 gal. capacity, also 5,220 lin. ft. pipe line, here. About $60,000. G. C. Andrews, Municipal Bldg., Buffalo, water comr.

Tex., Albany—City voted $100,000 bonds to improve waterworks. Address Mayor.

Minn., North Branch—Village, c/o A. F. Johnson, recdr., had plans prepared for 40 blocks mains. About $30,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

Kan., Derby—City defeated $25,000 bond issue for new waterworks system. W. B. Rollins, Co., Ry. Exch. Bldg.., Kansas City, Mo., engrs. Noted July 21 .

Kan., Neodeesha—City election soon to vote on $150,000 bonds to improve waterworks and electrical plant. Black & Veach, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Fairfax—City had plans prepared extending mains and sewers, building sewage disposal plant and White Way. About $85,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, consult. engrs. Noted July 7.

Waterworks (Continued)

Okla., Fairland—City having plans prepared for addition to waterworks. About $60,000. H. G. Olmstead & Co., 415 Oil Exch. Bldg., Oklahoma City, engrs.

Okla., Granite—City election Sept. 29, to vote on $65,000 bonds to extend waterworks. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, consult. engrs. Noted Aug. 11.

BIDS DESIRED

N. Y., Brooklyn—Until Sept. 30, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, hauling and laying water mains in Coney Island, Ocean, Ralph, Riverdale, Snediker and Van Sinderen Aves., Aves. F. H. and K, East 19th, East 83rd, 58th, Douglass and Herzl Sts., also Mansfield Pl., here.

N. Y., Long Island City—Until Sept. 30, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, hauling and laying water mains in Skillman and Van Alst Aves., 1st Ward, Hammell, Oak, Peck and 28th Aves., 25th, 136th, 137th, 138th and 153rd Sts., 3rd Ward, here.

N. Y., New York—Until Sept. 26, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., hauling and laying water mains in Gun Hill Rd., Bronx Boro.

N. Y., New York—Until Sept. 29, by Bd. Purch., Municipal Bldg., furnishing and delivering c.i., special valve box castings, valves and double nozzle fire hydrants, to Dept. Water Supply, Gas & Electricity. G. A. Whalen, comr. Plant & Structures, chn.

N. Y., S. I., St. George—Until Sept. 26, by C. D. Van Naure, pres. Richmond Boro, Boro Hall, laying water mains in Crescent, Guyon, Garretson and Wandel Aves., Nicholas St. and Evelyn Pl. About $15,000.

N. C., Boone—Until Sept. 28, by H. A. Underwood, engr., Joint Building Com., 912 Commercial Bank Bldg., Raleigh, building 250,000 gal. rein.-con. reservoir and laying mains, on campus, at Appalachian Training School, here. B. B. Dougherty, supt.

O., Shaker Heights—See "Sewers."

Ill., Aurora—Until Sept 26, by city, laying c.i. water supply pipe lines, including valves and fire hydrants, in Water Dist. 1. W. E. Deuchler, city engr; advertised in this issue.

Ia., Dayton—Until Sept. 27, by city, laying 4-6 in. c.i. water mains. About $25,000. O. S. Larson, clk. Engineer's name withheld.

Wyo., Greybull—Until Oct. 2, by H. Higgins, town clk., improving water works, including elevated steel tank, 200,000 gal. capacity, 145 ft. high, 27,630 ft. 2-8 in. pipe, etc. About $75,000. G. W. Zorn, Greybull, engr.

Okla., Pryor Creek—Until Sept. 27, by H. E. Rogers, clk., improving waterworks, building chemical house and laying 6 mi. transmission lines. About $35,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs. Noted Aug. 25.

Okla., Sayre—Until Oct. 25, by W. E. Simmonds, city clk., constructing waterworks and sewerage systems and light and power plants, involving 1 mi. water mains, 1 mi. sewers, 200,000 gal. rein.-con. reservoir, etc. About $75,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, consult. engrs. Noted July 14.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Scarsdale**—Bd. Water Comrs., Village Hall, Popham and Post Rds., let contract for pipe line extensions, Schedule A, to Beaver Eng & Contg. Co., 51 Chambers St., New York City, $96,836. Noted Aug. 11.

Pa., Phila.—City received bids for (1) improving Lardners Point pumping station, Contr. 513, (2) distribution and aerating flumes, Contr. 514, (3) furnishing and laying terra cotta ducts for electric wires from Belmont pumping station to filters, Contr. 517, (4) installing pumping units at Belmont station, Contr. 519, (5) furnishing and installing coal handling apparatus at Torresdale station, Contr. 520, (6) concrete valve boxes, Contr. 526, (7) laying 20 in. c.i. pipe, Contr. 527, (8) electric cable, (a) 8,224 ft. 00 B. E. S., (b) 8,224 ft. 1 B. E. S., (c) 925 ft. 2 B. E. S., (d) 350 ft. 3 B. E. S., Contr. 528, (9) c.i. pipe, from Nelson Pedley Constr. Co., Lincoln Bldg., (1) $19,980. Mitchell-Houseworth Co., Real Estate Trust Bldg., (1) $21,157. G. H. Evans, 45 North 13th St., (1) $25,565. M. and J. B. McHugh, 892 North Markoe St., (2) $36,668, (6) $45,804, (7) $54,375. Munday Paving Co., Colonial Trust Bldg., (2) $52,586. E. Fay & Son, 2 South Mole St., (2) $44,337. F. T. Buckins, Lincoln Bldg., (3) $14,820. E. D. Vare, Lincoln Bldg., (3) $17,460. McCool Constr. Co., 1715 Sansom St., (3) $16,980. Dravo-Doyle Co., Diamond Bank Bldg., Pittsburgh, (4) $18,400. Frederick Iron & Steel Co., 235 Harrison St., Baltimore, Md., (4) $16,800. Guarantee Constr. Co., Phila., (5) $24,660. Specialty Eng. Co., Trenton and Allegheny Aves., (5) $16,075. R. H. Beaumont Co., 413 Arch St., (5) $23,776. Fish-Rutherford Co., Real Estate Trust Bldg., (6) $48,668, (7) $55,673. J. J. McHugh, 1617 Race St., (7) $49,318. General Electric Co., Witherspoon Bldg., (8a) $3,972, (8b) $3,368, (8c) $316, (8d) $91. Standard Underground Cable Co., North Amer. Bldg., (8a) $4,433, (8b) $3,965, (8c) $413, (8d) $175. Donnelson Iron Co., Phila., (9) $63,520. United States C. I. Pipe Co., 15th and Chestnut Sts., (9) $63,680.

★**Ill., Berwyn**—See "Sewers."

★**Mo., Skidmore**—City let contract building waterworks system, to Ladd Constr. Co., Peotone, Ill. About $25,000. Noted July 14.

Sewers

PROPOSED WORK

N. J., Union Hill (Weehawken, P. O.)—Town plans to build 2,600 ft. 18 in. vitr. sewer in Hackensack Plank Rd. between Bergenline and Pleasant Aves. About $30,000. H. Thourot, 414 Lewis St., engr.

Tex., Brownsville—City election Sept. 27 to vote on $75,000 bond issue to build sewerage disposal plant, etc. J. O. Spencer, city engr.

Tex., Brownwood—City plans to build 18 in. sewers, 6 ft. deep. City will buy ditching machine or let contract for digging. About $100,000. J. R. Looney, city mgr.

O., Dayton—City having plans prepared for 1,000 ft. 66 in. concrete storm sewers in canal from 3rd to Sears Sts., including erection of storm water pumping station. About $50,000. G. Baker, city engr.

Mich., Detroit—City plans to build Lateral Sewers 3501, 3502, 3503, 3511, 3519, 3524, 3525, 3526, 3527, 3528, 3530 and 3533, vitr. crock. C. W. Hubbell, city engr.

Ill., Phoenix (Thornton P. O.)—Bd. Local Impvts. having plans prepared for sewerage system. About $30,000. A. W. Hersey, Harvey, engr.

Ill., Rockford—City plans to build double intercepting sewerage system and disposal plant. About $820,000. O. B. Hand, city engr.

Wis., Mosinee—City voted $41,000 bonds to build sewerage system. E. Bachman, clk. Engineer not selected.

Wis., Valders—City having plans prepared for 2½ mi. sewerage system in Main St., including sanitary and storm sewers. About $35,000. L. I. Pentzien, Savings Bank Bldg., Manitowoc, engr.

Ia., Dubuque—City having plans prepared for 24, 26, 28 and 54 in. sanitary sewers in White St. from 15th to 6th Sts. About $150,000. W. Cullen, city engr.

Okla., Fairfax—See "Waterworks."

Okla., Pauls Valley—City plans election to vote on $40,000 bonds to build 18-24 in. storm sewers. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, consult. engrs.

Ont., St. Thomas—City plans to build 6,000 ft. 12 and 15 in. vitr. tile storm sewers in various streets. About $30,000. W. C. Miller, City Hall, engr.

BIDS DESIRED

N. J., Passaic—Until Oct. 11, by Passaic Valley Sewerage Comrs., 128 Market St., Newark, constructing part of Sect. 19, Garfield-Wallington-Passaic Branch Intercepting Sewer, consisting of Wallington River Crossing, here, and in Washington Boro, involving earth excav., dredging and refilling, in trench and open excavations for 36 in. c.i. pipe, laying 36 in. c.i. pipe across Passaic River, 2,000 lb. steel for concrete reinforcement and other purposes, etc. J. R. Van Duyne, ch. engr.

Pa., Phila.—Until Sept. 30, by F. H. Caven, dir. Pub. Wks., building sewer in Ashdale St. between terminus near Front and Fisher Sts., 12 ft. rein.-con., Erie Ave. from B St. to Phila. & Bustleton R.R., 5 ft. diameter, brick, Parker St. from Penrose Pl. to Colorado St., 5 x 7 ft., Packer St. from 22nd St. to Penrose Pl., Moyamensing Ave. from Penrose Pl. to Colorado St., 7 x 10 ft., 9th St. from Moore to Tasker Sts. 2 x 3 ft. brick. F. Dunlap, Room 216, City Hall, engr.

Md., Hagerstown—Until Oct. 11 by Sewerage Comn., Police Headquarters Bldg., constructing sanitary sewers. E. L. Heard, secy.; advertised in this issue.

O., Dayton—Until Oct. 1, by F. A. Kilmer, clk. Montgomery Co., building 15,527 lin.ft. 8-20 in. vitr. sewer in East Park Sanitary Sewer Dist. 1. About $150,000. K. B. Allen, 607 U. B. Bldg., engr. Noted Jan. 6.

O., Maumee—Until Sept. 28, by F. C. Lautzenheiser, village clk., building Branch Sewer 1 and Local Sewer 1 in Subdistrict 1 of Key St., also Branch Sewer 1 and Local Sewer 1 in Subdistrict 2 of Key St., involving 9,552 lin. ft. 10-48 in. sewer pipe, etc. G. Champe, Toledo, civil engr.

O., Osborn—Until Sept. 26, by Osborn Removal Co. furnishing and laying 5,250 ft. 12-24 in. vitr. storm sewers. About $35,000. Cellarius & Dressler, 1001 Commercial Bldg., Dayton, engrs.

O., Shaker Heights—Until Oct. 6, by village, building storm and sanitary sewers and 10 in. c.i. water main in Storer and Helen Aves. About $34,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Mich., Lansing—Until Sept. 26, at office of J. A. Parsons, city clk., building sewers in 47th Sewer Dist.; advertised in this issue.

Wis., Port Washington—Until Sept. 28, by A. Lynch, city clk., laying 1.9 mi. 6-10 in. sewers in Main St., and building small sewage disposal plant. About $50,000. J. Donohue, 608 North 8th St., Sheboygan, engr.

Okla., Sayre—See "Waterworks."

Que., Montreal—Until Sept. 29, by Chairman Administrative Com., building sewers in Rosedale Ave., St. Charles and St. Zotique Sts. About $30,000. A. E. Doucet, dir. Dept. Pub. Wks.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

★**N. Y., Brooklyn**—E. Riegelmann, boro pres., Boro Hall, let contracts to Tomasetti & Co., Inc., 1133-60th St., building sewers in Kemmit Pl., cost 77.78 per cent of engineers estimate, 61st St., 69.69 per cent, 73rd St., 71.71 per cent; to Murphy Bros., 8856-26th Ave., 76th St., 75 per cent; to P. J. Donlan Contg. Co., 823-3rd St., West 37th St., 91.7 per cent; to J. J. Guinan Contg. Co., 2134 Gravesend Ave. West 35th St., etc., 89 per cent. Noted Sept. 8.

N. J., Passaic—Passaic Valley Sewerage Comrs., 128 Market St., Newark, opened bids Sept. 13, building part of Sect. 19 Lodi St. River-Crossing, involving (1) lump sum earth excav., dredging and refilling in trenches, etc., (2) lump sum, laying 42 in. c.i. pipe line across Passaic River, etc., (3) 350 cu.yd. concrete masonry, (4) 80 cu.yd. brick masonry, etc., from Bay State Dredging & Constr. Co., East Boston, Mass., (1) $28,000, (2) $5,390, (3) $22.50 per cu.yd., (4) $30, total cost $53,515; L. B. Harrison & Broadhurst Co., Paterson, (1) $40,510, (2) $5,110, (3) $15.40, (4) $30.05, $60,364; T. A. Scott Co., 292 Pequot Ave., New London, Conn., (1) $29,800, (2) $6,950, (3) $27.60, (4) $35.20, $60,573. Noted Aug. 25.

N. J., West Wildwood—Boro. received bids building 16,000 ft. 6-12 in. vitr. sewers and sewage treatment plant, from Craigthorn & Nickerson, Wildwood. About $32,000.

O., West Park—City received bids building sewers and water mains in Normandy, Belmar, Ernadale, Lauerdale, Silverdale, Derby, West 158th and West 159th Sts., from A. Hosine, 635 Bradley Court, Cleveland. About $32,000. Noted Sept. 15.

★**Mich., Detroit**—City let contracts to Lennane & McIlvenna, 1205 Book Bldg., building Sect. 2, Highland Park Arm Sewer, cost $238,935; Jeynes & Affeld, 1208 Ford Bldg., Sect. 5 Jos. Campau Ave. Sewer, $227,004; J. A. Mercier, 216 Hammond Bldg., Sect. 5 Bates St. Sewer, $293,452, Sect. 3, Gratiot Ave. Sewer, $82,039; W. Blanck & Co., 827 Ford Bldg., Marquette

Sewers (continued)

Ave. Arm of 3rd St. Sewer, $65,861, Van Dyke Arm of Lynch Rd. Sewer, $61,640. Noted Sept. 15.

★**Ill., Berwyn**—City let contract laying 10-14 in. glazed sewer pipe and 4-6 in. c.i. water mains in various streets, to C. M. Porter, 111 West Washington St., Chicago. About $27,000.

★**Ill., Rock Island**—City let contract laying 12-14 in. glazed sewer pipe and 4-6 in. c.i. water mains in 20th St. to P. F. Trenkenschuh, 1535 14th St., $27,106.

★**Mo., Independence**—City let contract to Ray & Son, Baxter Springs, Kan., building 3 sewage disposal plants and ejector stations, involving furnishing and laying 4,530 lin. ft. 8 in. standard vitr. pipe, $0.60 per ft., 358 lin. ft. 15 in. $1.32, furnishing and laying 3,180 lin. ft. 6 in. Class A c.i. pipe, $1.55, 225 lin.ft. 8 in. $1.85, constructing North Sewage Treatment plant, $18,375, East Sewage Treatment plant, $10,229, South Sewage Treatment plant, $36,975, etc., total cost $84,842. Noted July 28.

★**Mo., Mexico**—City let contract building sewage disposal plant and outfall sewers, to Reed & Wheelock, Clay Center, Kan., $24,500. Noted Aug. 25.

★**Cal., Burbank**—City let contract building sewerage system, to T. S. Reynolds, Metropolitan Bldg., Los Angeles, $35,450. Noted Sept. 15.

Bridges

PROPOSED WORK

Mass., Holyoke—Bd. Pub. Wks. plans to build concrete and steel highway bridge on Shepherd St. About $25,000. T. J. McCarthy, City Hall, engr.

Pa., Johnstown—City plans to build 225 ft. concrete bridge, iron girders, 30 ft. roadway, 10 ft. sidewalks over Stony Creek on Haynes St. About $100,000. H. L. Wilson, City Hall, engr.

La., Lake Charles — See "Streets and Roads."

Kan., Washington—Washington Co. had plans prepared constructing Cemetery Bridge over Meyer Creek, 40 ft. rein.-con. deck girder span, 24 ft. roadway; Dean Bridge over Joy Creek, 45 ft. deck girder span, 20 ft. roadway; Scruby Bridge over Devil Creek, 45 ft. deck girder type span, 20 ft. roadway. J. C. Hennon, co. engr.

Missouri—State Highway Dept., Jefferson City, plans to build rein.-con. bridge over Bear Creek, on Sta. 809 plus 82, rein.-con. bridge over Brady Branch, on Sta. 630 plus 99, and rein.-con. bridge on Sta. 913 plus 40, Federal Aid Project 180, Buchanan Co., involving 87.1 cu.yd. Class A and 564.8 cu.yd. Class B concrete and 30,300 lb. reinforcing steel, etc., cost $36,756; steel bridge over Osage River, Federal Aid Project 166, Vernon Co., 105.5 cu.yd. Class A, 12.5 cu.yd. Class B and 145.3 cu.yd. Class C concrete, 19,410 lb. reinforcing and 62,000 lb. fabricated structural steel, etc., $20,000. A. Graham, state highway engr.

Colorado—State Highway Dept., Denver, had plans prepared constructing 200 ft. steel bridge over Fountain River, El Paso Co. About $45,000. L. D. Blauvelt, State Museum Bldg., Denver, engr.

BIDS DESIRED

Mass., Springfield—Until Oct. 6, by City Clerk, Administration Bldg., strengthening bridge, 1349 ft. long, 21 ft. wide, over Connecticut River, between here and Agawam. About $60,000.

Mass., Sunderland — Until Sept. 30, at office of T. L. Warner, clk of selectmen, strengthening floor beams, replacing floor joists and planking highway bridge across Connecticut River; advertised in this issue.

Kentucky — Until Sept. 28, by State Highway Dept. Old Capitol Bldg., Frankfort, building 3 bridges on Mayo Trail, Federal Aid Project 56, Lawrence Co., one bridge over East Fork Creek, Sta. 131 plus 95, involving 144 cu.yd. Class A concrete, 49,039 lb. structural and 12,340 lb. reinforcing steel, etc., bridge over Cat Creek, Sta. 531 plus 15,400 cu.yd. Class A and 71 cu.yd. Class B concrete, 27,952 lb. reinforcing and 77,500 lb. structural steel, 25,130 lb. steel in Cylinders, etc., bridge over Big Blaine Creek, Sta. 656 plus 05, 177 cu.yd. Class A and 175 cu.yd. Class B concrete 21,241 lb. reinforcing and 109,100 lb. structural steel, 13,560 lb. steel in cylinders, etc.; 80 ft. span bridge over Big Creek, Sta., 708 plus 00, on Pikesville-Williamson Rd., Federal Aid Project 52, Pike Co., 19 cu.yd. Class B and 33 cu.yd. Class A concrete, 77,500 lb. structural and 4,374 lb. reinforcing steel, etc.; 80 ft. steel span bridge over Hites Run, Sta. 3,785 plus 40, on Louisville-Paducah Rd., Federal Aid Project 37, Breckinridge Co., 203 cu.yd. Class B and 33 cu.yd. Class A concrete, 77,500 lb. structural and 5,374 lb. reinforcing steel, etc.; over Indian Creek, Sta. 440 plus 20, on Louisville-Paducah Rd., Federal Aid Project 46, Hancock Co., 58 cu.yd. Class A and 112 cu.yd. Class B concrete, 32,151 lb. reinforcing and 50,600 lb. structural steel, etc. J. S. Boggs, state highway engr.

Mich., Cadillac—Until Sept. 27, by State Highway Dept., at dist. office, building Bridge 831101, over Manistee River, Wexford Co. Work involves 297.4 cu.yd. rein.-con., 311 cu.yd. concrete and 38 500 lb. steel.

Mich., Detroit—Until Oct. 14, by Comrs. Wayne Co. covering operators houses and enclosure walls of double leaf bascule bridge crossing River Rouge; advertised in this issue.

Illinois—Until Oct. 4, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, constructing 144 concrete and 8 steel bridges, 6 substructures and 7 superstructures for steel bridges. C. Older, ch. highway engr.

Wyoming—Until Oct. 3, by State Highway Dept., Cheyenne, constructing bridge over Cheyenne River, consisting of two 130 ft. steel spans, 24 ft. high, also concrete abutments and approaches, involving 10,000 lb. reinforcing steel, 127 tons structural steel, 6,200 cu.yd. earth, etc. About $40,000. Z. E. Sevison, state highway engr.

Cal., San Bernardino—Until Oct. 3, by J. Osborn, city clk., constructing three 50 ft. span rein.-con. arch bridge, 60 ft. wide, over Lytle Creek, on Mt. Vernon Ave. C. E. Johnson, City Hall, engr. Noted July 14.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Holyoke**—Bd. Pub. Wks. let contract building two rein.-concrete highway bridges over canal, one on Lyman St. and other on Jackson St., to M. J. Walsh & Sons, 1412 Dwight St. About $35,500 and $25,000 respectively. Noted Jan. 20.

★**Mass., Newburyport**—Essex Co. (Salem) let contract building 765 ft. concrete highway bridge between here and Plum Island, 24 ft. wide, to New England Foundation Co., 70 Kilby St., Boston, $55,960; 110 ft. steel draw span for above bridge, to Lackawanna Bridge Co., 40 Central St., Boston, $17,903. Noted Aug. 25.

★**Mass., Northampton**—Bd. Pub. Wks. let contract building 2 concrete bridges and reinforcing Canal Bridge in Florence Sect. and Hotel Bridge in Leeds Sect., to D. O'Connell's Sons, 480 Hampden St., Holyoke. Cost between $35,000 and $40,000.

★**Pa., Darby**—Delaware Co. (Media) let contract building rein.-con. arch bridge, 110 ft. span over Darby Creek, to Davis & Savine, 6233 Sansom St., Phila. About $53,000.

★**Pa., Hummelstown** — Dauphin Co. let contract rebuilding Bridge 125-126 over Swarta Creek, rein.-con., to S. W. Shoemaker & Son, 1545 North 6th St., Harrisburg. About $115,700. Noted Sept. 1.

★**O., Cleveland**—Cuyahogo Co. let contract building substructure for lift bridge over Cuyahoga River, on Alexander Rd., to T. B. Husband, 3166 Redwood Ave., $41,350; superstructure, to King Bridge Co., East 69th St., $23,000. Noted Sept. 15.

★**O., Columbus**—Franklin Co. let contract building substructure of 148 ft. bridge over Sciota River, on Sandusky St., to H. B. Waters and A. J. Freemas, Clinton Bldg., $15,867; superstructure, to E. M. Scully, 1431 Eastwood Ave., $19,145. Noted Aug. 25.

★**Ill., Danville**—Vermillion Co. let contract building East Georgetown Bridge, rein.-con. arch, four 55 ft. spans, 18 ft. roadway, in McKendree Twp., to Ollendorf Constr. Co., Palatine, $27,300. Noted Sept. 8.

★**Wis., Appleton**—City let contract building 385 ft. rein.-con. bridge on Lawe St., to Wausau Iron Wks., Wausau, $59,800. Noted Aug. 11.

★**Ia., Denison**—Crawford Co. let contracts constructing 9 circular and 1 box culvert, to O. H. Knief, Denison, $2,839; 23 box and 14 circular culverts, 4 culvert extensions and 1 I-beam, to Wickham Bridge & Pipe Co., 20th St. and 1st Ave., Council Bluffs, $28,320.

★**Ia., Spencer**—Clay Co. let contracts constructing 18 box culverts, to Hendricksen Lumber Co., Royal, $14,866; 1 through truss, to F. Humphrey, Cherokee, $26,280. Noted Aug. 25.

★**Tex., Comanche**—Comanche Co. let contract constructing steel and concrete bridges, including 1 over Rush Creek and 1 over Leon River, on Highways 18 and 22, to Harris & Powell, Tyler, $76,911. Noted Aug. 11.

★**Oregon**—State Highway Comn., Salem, let contracts building rein.-con. bridge, 30 ft. long in Morrow Co., to Tobin & Pierce, Portland, $16,630, over Sloggins Creek, Forest Grove, Washington Co., to W. Mayer, Portland, $5,992, on Columbia River Highway, Stanfield, Umatilla Co., to Parker & Banfield, Columbia Bldg., Portland, $3,120; steel bridge over Pacific Highway in Wilmette, Lane Co., to Union Bridge Co., foot of Fenwick Kenton, Portland, $12,180; wood superstructure over Pacific Highway, Wilmette, Lane Co., to Lane Co. Constr. Co., Eugene, $9,733; steel truss span, 190 ft. long on Central Ave. Highway, over Bully Creek, Malheur Co., United Bridge Co., Boise, Idaho, $13,227; 4 culverts and 2 wood trestle spans in Baker Co., to Pijotte-Winters Inc., Portland, $13,395.

Dams

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Kan., Emporia — City let contract constructing rein.-con. and steel dam and locks in Neosho River, to C. C. Clark, North Topeka. About $30,000.

Railways

BIDS DESIRED

Massachusetts—Until Sept. 28, by W. H. Ensign, chn. Comrs. Hampden Co., (Springfield) building street railway tracks on new Connecticut River Bridge, from Springfield to West Springfield. About $30,000. Fay, Spofford & Thorndike, 15 Beacon St., Boston, engrs.

★**Connecticut**—Connecticut Co., 2nd National Bank Bldg., New Haven, will build 3,618 ft. double tracks in Hartford, on Wethersfield Ave., from Bond St. east. About $72,000. Work will be done by day labor.

★**Minnesota**—Duluth & Iron R.R., Wolvin Bldg., Duluth, let contract building 4¼ mi. spur line from McComber mine, Vermillion Range to Armstrong Bay mine, to C. M. Magnuson, 1617 Jefferson St., Duluth. About $40,000.

Excavation and Dredging

PROPOSED WORK

La., Lake Charles—Channel—Calcasieu Parish plans election to vote on $2,250,000 bonds to dredge a ship channel, 30 ft. deep, 125 ft. wide at bottom. Total cost $2,750,000.

Ia., Oskaloosa—Ditch—Mahaska Co. rejected bids opened Sept. 6, building South Skunk River Ditch, D. D. 3, Sects. 2 and 3, involving 350,000 cu.yd. excav. R. W. Varley, co. aud. Noted Aug. 25.

BIDS DESIRED

La., Baton Rouge—Dredging—Until Oct. 12, by Bd. Comrs. Bayou Fountain D.D. of East Baton Rouge Parish, dredging Bayou Fountain and its tributaries. L. J. Huey, engr. in charge; advertised in this issue.

Wis., Mayville—Drain—Until Sept. 26, by L. S. Keeley, secy. Dodge Co. Farm Drainage Bd., excavating and laying 1 mi. 6-12 in. tile drain. Cost between $25,000 and $30,000. Private plans.

Excavation and Dredging (Continued)

Wash., Wenatchee—Tunnel—Wenatchee Recl. Dist. receiving bids driving 3,310 ft. rock tunnel west of Cashmere and relining 1,300 ft. abandoned tunnel at Monitor, providing continuous water supply for adjacent orchards. About $100,000. M. Chase, 26th and Main Sts., Olympia, supt. hydraulics.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ia., Council Bluffs**—Excavation—Pottawattamie Co. let contract excavating Sects. 1, 2, 3, 4, 5, 6, 7 and 8, Lower Silver, D. D. 19, Washington, Silver Creek and Keg Creek twps., involving 537,724 cu.yd. excav., to B. P. Wickham, 19 Scott St., $0.09 per cu.yd.

★**Minn., Aitkin** — Ditch — Aitkin Co. let contract building 10 mi. drainage ditch in Farm Island, Hazleton, Woodland and Wealthwood Twps., to Northern Minnesota Drainage Co., Litchfield, $53,290.

★**Minn., Aitkin** — Ditch — Aitkin Co. let contract building 29 mi. Co. Ditch 34, to Northern Minnesota Drainage Co., Litchfield, $53,290. Noted Aug. 18.

Streets and Roads

PROPOSED WORK

North Carolina—State Highway Comn., Raleigh, plans to clear, grub, grade, drain, topsoil and bridge 16.2 mi. State Project 550, Caldwell Co., about $150,000; 13 mi. road from Clarkton to Robeson Co. line, State Project 623, Bladen Co., $100,000. C. M. Upham, state highway engr.

N. C., Greensboro—Guilford Co. plans to grade, drain and topsoil 7 mi. road east from Monticello to Alamance Co. line. About $30,000. C. O. Lowe, co. engr.

La., Lake Charles — Calcasieu Parish election Nov. 8 to vote on $175,000 bonds to complete 9 mi. Vinton-Sabine Highway. When above road is completed, bridge will be built over Sabine River.

Tenn., Nashville—City plans to extend Capitol Blvd. to Bway. About $400,000. W. W. Southgate, City Hall, engr.

Tenn., Nashville—City plans to improve portion Charlotte Ave. and Bway. About $104,000. D. W. Southgate, City Hall, engr.

Mich., Mt. Clemens—State Highway Dept. Lansing, plans to grade, drain and surface 1.068 mi. State Trunk Line Rd. 27-14, Macomb Co., involving 9,341 cu.yd. excav., 12,437 sq.yd. concrete or bituminous concrete. F. F. Rodgers, state highway comr.

Ill., Dixon—City plans to pave 20 blocks, 26 ft. wide, vitr. brick on concrete base. About $50,000. B. Groves, clk. Private plans.

Ill., Elgin—City rejected bids opened Aug. 30, paving Larkins St., brick and asphalt on concrete base. About $65,000. Work will be readvertised. W. H. Brightman, City Hall, engr. Noted Aug. 25.

Ill., West Hammond—City having plans prepared paving various streets, vitr. brick on concrete base. About $27,000. H. A. Stockwick, clk. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Wis., Sheboygan—City having plans prepared paving, curbing, guttering and building sidewalks on 0.9 mi. North 3rd St. from Vollrath Blvd. to Bell Ave. About $30,000. C. U. Boley, City Hall, engr.

Ia., Burlington—City plans to pave 25 blocks Lucas Ave., Mt. Pleasant and Chalfant Sts. About $75,000. H. A. Vollmer, city engr.

Minn., Little Falls—City plans to pave 6 blocks 1st St. S. E. from 2nd to 8th Aves. About $27,000. R. R. Reilly, Little Falls, engr.

Minn., St. Paul—Ramsey Co. plans to expend $1,234,948 for roads and bridges in 1922. R. R. Godfrey, co. engr.

Missouri—State Highway Dept., Jefferson City, plans to build 3.55 mi. road, State Aid Project 20.8, Franklin Co., involving 25,326 cu.yd. earth excav., 2,273 cu.yd. borrow, 21.8 cu.yd. Class B and 57.3 cu.yd. Class C concrete, etc. About $25,000.

Missouri—State Highway Dept., Jefferson City, plans to build 7.64 mi. road from Carroll to Brunswick, Carroll to Norborne and Carroll northward, State Aid Project 20.87, Carroll Co., involving 19,042 cu.yd. earth excav., 59,634 cu.yd. borrow, 213.4 cu.yd. Class B and 10.3 cu.yd. Class C concrete masonry, etc. About $48,257. A. Graham, state highway engr.

Missouri—State Highway Dept., Jefferson City, plans to build 6.09 mi. road from Lancaster eastward and southward, State Aid Project 20.48, Schuyler Co., involving 57,849 cu.yd. earth excav., 105.7 cu.yd. Class B and 37.8 cu.yd. Class C concrete, etc., cost $37,812; 3.63 mi. road from Princeton Southward, State Aid Project 20.79, Mercer Co., 33,674 cu.yd. earth excav., 65.5 cu.yd. Class B and 31.6 cu.yd. Class C concrete, etc., $29,048. A. Graham, state highway engr.

Mo., St. Joseph—City having plans prepared paving 10th St., involving 5,880 ft. 7 in. concrete paving, 180 ft. driveway, 15,650 ft. sidewalks, etc. About $30,000. W. K. Seitz, City Hall, engr.

Tex., Brownsville—City election Sept. 27, to vote on $100,000 bond issue for paving streets. J. O. Spencer, city engr.

Tex., El Paso—El Paso Co. had plans prepared paving 6 mi. road from San Elizario to Socorro. L. A. White, co. engr.

Tex., Lufkin—Angelina Co. voted $1,425,000 bonds to gravel surface and drain Highways 35 and 37 and lateral roads, 16 ft. wide. L. Acker, Nacogdoches, co. engr.

Okla., Sayre—City having preliminary plans prepared paving Dist. 1, concrete. About $60,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, consult. engrs.

Colorado—State Highway Dept., Denver, had plans prepared grading and draining 4.1 mi. road between Buena Vista and Leadville, Federal Aid Project 157, Chaffee Co. About $73,000. L. D. Blauvet, State Museum Bldg., Denver, engr.

Cal., San Diego—Bd. Supervs. San Diego Co. plan to grade and pave with 3 in. asphaltic concrete 2½ mi., Terrace, Kensington, Marlborough and Mission Drives, Edgeware Rd., Park Pl., Adams and Jefferson Aves. About $65,000. E. P. Watson, 4598 Edgeware Rd., engr.

Que., Longueil—City voted $375,000 bonds to pave various streets.

BIDS DESIRED

Massachusetts—Until Oct. 4, by Dept. Pub. Wks., Div. of Highways, Room 413 State House, Boston, building 1,750 ft. bituminous macadam highway in Bernardston, and 8,450 ft. gravel highway in Gill. J. N. Cole, comr.

R. I., Providence—Until Oct. 5, at office of Water Supply Bd., paving 4¾ mi. bituminous macadam road from North Scituate to Rockland in town of Scituate. B. T. Potter, chn.; advertised in this issue.

Connecticut—Until Sept. 26 by C. J. Bennett, state highway comr., 240 Farmington Ave., Hartford, paving highways in New Milford, Harwinton and Easton; advertised in this issue.

N. Y., Brooklyn—Until Sept. 28, by E. Riegelmann, boro pres., Boro Hall, regulating, grading, curbing, laying sidewalks, paving and repaving Howard Ave. from Eastern Parkway to Pitkin Ave., including triangular space at junction of Eastern Parkway, Howard Ave. and Lincoln Pl., permanent sheet asphalt on 6 in. concrete foundation.

N. Y., Long Island City—Until Sept. 27, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., regulating and paving Roosevelt Ave. from 5th St. to Junction Ave., 2nd Ward, preliminary concrete pavement; Roosevelt Ave. from Junction Ave. to angle point east of Alburtis Ave., sheet asphalt on concrete foundation.

Maryland—Until Sept. 27, by State Rds. Comn., 601 Garrett Bldg., Baltimore, paving sections of highways in Frederick Co., Contr. No. F-46 and Anne Arundel Co., Contr. No. AA-22. J. N. Mackall, chn.; advertised in this issue.

W. Va., Moundsville—Until Sept. 30, by J. E. Chase, clk. Marshall Co., constructing 1¼ mi. Sallie Arnold Ridge Rd. and 1 mi. Roberts Ridge Rd.

W. Va., Webster Springs—Until Oct. 6, by B. S. Wooddell, clk. Webster Co., grading and draining 8.25 mi. Webster Springs-Diana Rd., and constructing bridge over Grassy Creek, near Diana.

La., Harrisonburg—Until Oct. 3, by Police Jury of Catahoula Parish, building 11 mi. Harrisonburg-Jonesville Highway, 16 mi. Harrisonburg-Jena Highway, 13 mi. Harrisburg-Winnsboro Highway, 18 mi. Harrisonburg-Columbia Highway, 19 mi. Winnsboro-Clayton Highway.

Kentucky—Until Sept. 28, by State Highway Dept., Old Capitol Bldg., Frankfort, shaping, draining and surfacing to width of 18 ft. with rock asphalt, bituminous macadam, penetration type, or rein.-con., or bituminous concrete topeka mix. 7 mi. Richmond-Lexington Rd., Federal Aid Project 49, Madison Co., involving 5,699 ton rock asphalt, 166,320 gal. bituminous material, 73,920 sq.yd. rein.-con., or 73,920 sq.yd. bituminous concrete, etc.; shaping and draining 8.9 mi. Louisville-Paducah Rd., Federal Aid Project 62, Union Co., 40,378 cu.yd. earth, 551 cu.yd. ditch and 21,649 cu.yd. borrow excav., 591 cu.yd. Class A and 194 cu.yd. Class B concrete, 35,710 lb. reinforcing steel, etc.; shaping and draining 12.7 mi. Louisville-Paducah Rd., Federal Aid Project 37, Breckinridge Co., 14 acres clearing and grubbing, 37,468 cu.yd. earth, 48,887 cu.yd. solid rock and 7,850 cu.yd. borrow excav., 1,481 cu.yd. Class A, 224 cu.yd. Class B and 6 cu.yd. Class D concrete, 98,097 lb. reinforcing steel, etc.; shaping, draining and surfacing to width of 16 ft. with brick or rock asphalt, or bituminous macadam, penetration type, 1.4 mi. street in town of Stearns, McCreary Co., 9,896 cu.yd. earth and 71 cu.yd. solid rock excav., 108 cu.yd. Class A concrete, 3,022 sq.yd. Hillside brick, 992 ton crushed slag or 1,134 ton crushed limestone base for Hillside brick, 744 ton rock asphalt, 4,317 lb. reinforcing steel, 4,683 ton crushed limestone or slag for base, 21,756 gal. bituminous material, 9,669 sq.yd. brick paving, etc.; shaping, and draining 7 mi. Louisville-Paducah Rd., Federal Aid Project 46, Hancock Co., 15 acres clearing and grubbing, 32,567 cu.yd. earth, 48,857 cu.yd. solid rock and 10,487 cu.yd. borrow excav., 705 cu.yd. Class A concrete, 50 cu.yd. etc.; shaping, draining and surfacing to 1:3:6 concrete, 36,373 lb. reinforcing steel, width of 10 ft. with waterbound macadam 11 mi. Brooksville-Newport Rd. from Powersville to Lenoxburg, Bracken Co., 365 stations grader work, 4,000 cu.yd. earth excav., 180 cu.yd. Class A concrete, 43,650 sq.yd. scarifying and reshaping, 12,000 ton crushed stone, etc.; shaping, draining and surfacing to width of 14 ft. with waterbound macadam 4.5 mi. Brooksville-Maysville Rd., Bracken Co., 315 stations grader work, 500 cu.yd. earth excav., 128 cu.yd. Class A concrete, 25,600 sq.yd. scarifying and reshaping 9,600 ton crushed stone, etc.; shaping and draining 9.8 mi. Pikeville-Williamson Rd., Federal Aid Project 52, Pike Co., involving 82,960 cu.yd. earth 151,394 cu.yd. rock, 15,999 cu.yd. refill and 6,020 cu.yd. borrow excav., 103 cu.yd. encasing concrete, 633 cu.yd. Class A and 51 cu.yd. Class B concrete, 553 cu.yd. cement rubble masonry, 32,961 lb. reinforcing steel, etc.; shaping and draining 18.7 mi. Mayo Trail, Federal Aid Project 56, Lawrence Co., involving 149,456 cu.yd. earth, 52,944 cu.yd. solid rock and 11,444 cu.yd. borrow excav., 632 cu.yd. Class A concrete, 74,538 lb. reinforcing steel, 28 acres clearing and grubbing, etc. J. S. Boggs, state highway engr.

O., Bedford—Until Sept. 24, by Village, grading and laying sidewalks on Greencroft Rd., Creswell, Dewhurst, Tudor and Thames Aves. About $32,000. B. T. Wright, Bedford, engr.

O., Dayton—Until Sept. 26, by Dept. Pub. Serv. paving 800 ft. Randolph St. from Germantown to Eaton Sts., also 600 ft. Dennison Ave., involving 4,700 sq.yd. rein.-con. About $15,000 and $10,000 respectively. G. Baker, city engr.

O., Osborn—Until Sept. 26, by Osborn Removal Co., grading and graveling all streets in New Osborn involving 24,000 lin.-ft. concrete curb and gutter and 50,000 cu. yd. earth excav. About $60,000. Cellarius & Dressler, 1001 Commercial Bldg., Dayton, engrs.

Illinois—Until Oct. 4, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving, 2.99 mi. Route 2, Sect. 1, Jackson Co., 6.69 mi. Route 2, Sect. 3, Jackson Co.,

Streets and Roads (Continued)

6.94 mi. Route 2, Sect. 4, Jackson-Perry Co., 16.62 mi. Route 2, Combination 1, Jackson-Perry Co., 13.63 mi. Route 2, Combination 2, Jackson-Perry Co., 5.98 mi. Route 2, Sect. 5, Perry Co., 4.69 mi. Route 2, Sect. 6, Perry Co., 10.67 mi. Route 2, Combination 3, Perry Co., 5.99 mi. Route 2, Sect. 7, Perry-Washington Co., 11.13 mi. Route 2, Combination 4, Washington Co., 21.8 mi. Route 2, Combination 5, Washington Co., 35.43 mi. Route 2, Combination 6, Jackson-Washington Co., 2.65 mi. Route 4, Sect. 9, Livingston Co., 7.86 mi. Route 4, Sect. 14, McLean Co., 6.33 mi. Route 7, Sect. 5, Henry Co., 4.36 mi. Route 7, Sect. 7, Henry-Bureau Co., 2.45 mi. Route 7, Sect. 8, Bureau Co., 6.8 mi. Route 7, Combination 12, Henry-Bureau Co., 13.14 mi. Route 7, Combination 13, Henry-Bureau Co., 6.27 mi. Route 9, Sect. 11, Woodford-McLean Co., 6.08 mi. Route 10, Sect. 4, Champaign Co., 2.69 mi. Route 10, Sect. 7-S, Piatt Co., 5.87 mi. Route 10, Sect. 8, Piatt Co., 8.56 mi. Route 10, Combination 14, Piatt Co., 4.17 mi. Route 10, Sect. 9, Piatt Co., 12.73 mi. Route 10, Combination 15, Piatt Co., 4.21 mi. Route 10, Sect. 11, Macon Co., 5.68 mi. Route 10, Sect. 17, Sangamon Co., 11.38 mi. Route 10, Combination 16, Sangamon Co., 5.68 mi. Route 10, Sect. 18, Sangamon Co., 2.12 mi. Route 10, Sect. 19, Sangamon Co., 7.8 mi. Route 10, Combination 17, Sangamon Co., 19.18 mi. Route 10, Combination 18, Sangamon Co., 7.3 mi. Route 10, Sect. 21, Sangamon Co., 7.18 mi. Route 10, Sect. 23, Sangamon Co., 14.48 mi. Route 10, Combination 19, Sangamon Co., 6.2 mi. Route 12, Sect. 4, Richland Co., 6.55 mi. Route 15, Sect. 5, Washington Co., 5.19 mi. Route 15, Sect. 6, Washington Co., 4.13 mi. Route 15, Sect. 7, 15.87 mi. Route 15, Combination 8, Washington Co., 2.16 mi. Route 15, Sect. 8, Washington Co., 5.95 mi. Route 15, Sect. 9, Washington Co., 4.8 mi. Route 15, Sect. 10, Washington Co., 10.91 mi. Route 15, Combination 9, Washington Co., 26.78 mi. Route 15, Combination 10, Washington Co., 65.2 mi. Route 15, Combination 11, Washington Co., 5.83 mi. Route 18, Sect. 9 Du Page Co., 6.45 mi. Route 18, Sect. 10, Du Page Co., 12.28 mi. Route 18, Combination 21, Du Page Co., 4.73 mi. Route 23, Sect. 2, La Salle Co., 1.08 mi. Project 9, Sect. 27, Madison Co.,all foregoing 18 ft. wide; 5.14 mi. Route 2, Sect. 8, Washington Co., 38.42 mi. Route 2, Combination 7, Jackson-Washington Co., 5.7 mi. Route 10, Sect. 16, Sangamon-Macon Co., 5.81 mi. Route 13, Sect. 1, Williamson Co., 4.99 mi. Route 13, Sect. 5, Jackson-Williamson Co., 10.8 mi. Route 13, Combination 20, Jackson-Williamson Co., 18-20 ft. wide; 0.1 mi. Route 1, Sect. 27, Kankakee Co., 20 ft. wide; grading 4.83 mi. Route 15, Sect. 22-A, Wayne Co., 3.21 mi. Route 37, Sect. 2-A, Jefferson Co., 3.21 mi. Route 37, Combination 29 (including bridge) Jefferson Co., 4.6 mi. Route 1, Sect. 9-A Wabash Co., 0.84 mi. Route 1, Sect. 17-A, Lawrence Co., 5.55 mi. Route 1, Sect. 18-A, Crawford Co., 4.05 mi. Route 1, Sect. 4-A, White Co., 8.02 mi. Route 1, Sect. 5-A, White Co., 12.07 mi. Route 1, Combination 22, White Co., 32 ft. wide; grading 5.66 mi. Route 1, Sect. 6-A, White Edwards Co., 4.5 mi. Route 1, Sect. 7-A, Edwards Co., 10.16 mi. Route 1, Combination 23, White-Edwards Co., 5.66 mi. Route 1, Sect. 8-A, Edwards-Wabash Co., 2.87 mi. Route 1, Sect. 19-A, Crawford Co., 9.26 mi. Route 1, Combination 26, Crawford Co., 3.64 mi. Route 1, Sect. 10-A, Wabash Co., 13.9 mi. Route 1, Combination 24, Edwards-Washington Co., 36.13 mi. Route 1, Combination 25, White-Wabash Co., 21-32 ft. wide; grading 4.11 mi. Route 8, Sect. 5-A, Warren-Henderson Co., 5.48 mi. Route 8, Sect. 6-A, Henderson Co., 7.38 mi. Route 8, Sect. 7-A, Henderson Co., 16.97 mi. Route 8, Combination 27, Warren-Henderson Co., 16.97 mi. Route 8, Combination 28 (including bridges) Warren-Henderson Co., 1.87 mi. Route 8, Sect. 11-A, Peoria Co., 30 ft. wide.

Alternate bids on Portland cement concrete, 4 in. monolithic brick, bituminous concrete with and without binder course. C. Older, ch. highway engr.

Ia., Northwood—Until Sept. 28, by Auditor Worth Co., gravel surfacing 8.427 mi. primary road, Federal Aid Project 134, involving 12,641 cu.yd. gravel.

Minn., Duluth—Until Sept. 29, by St. Louis Co., grubbing, ditching and grading 4.7 mi. State Rd., 2 north of here and 5 mi. State Rd. 35, between Chisholm and Hibbing, 30 ft. wide, involving 25,000 cu.yd. earth excav. About $160,000. R. W. Acton, Court House, engr.

Minn., Olivia—Renville Co. receiving bids grading and graveling 15 mi. Job 2101, State Rd. 5, between Bird Island and Franklin, involving about 75,772 cu.yd. excav., 239,166 cu.yd. overhaul, 62 ton culvert, 1 mi. haul and 34,884 cu.yd. gravel, 1 mi. haul. About $40,000. County to furnish gravel and culvert material.

Kan., Columbus.— Until Sept. 27, by Cherokee Co., grading, gravel surfacing and draining various roads. About $25,000. Engineer not announced.

Mo., Jefferson City—Until Sept. 27, by city, surfacing High St., bituminous macadam on concrete base. About $38,000. F. E. Ross, Jefferson City, engr.

Mo., Mexico—Until Sept. 27, by city, improving Liberty St., bituminous macadam on concrete base. About $25,000. W. Dearing, clk. Engineers name withheld. Noted July 28.

Tex., Canton—Until Sept. 26, by C. L. Hubbard, judge Van Zandt Co., grading, gravel surfacing and draining 29.6 mi. Dixie Highway, State Highway 15, involving 32,319 cu.yd. borrow and 9,124 cu. yd. roadway excav., 1,090.2 cu.yd. Class A and 223.07 cu.yd. Class B concrete, 14,504 cu.yd. gravel surfacing and 101,528 lb. reinforcing steel. About $150,000. H. E. Dean, Canton, engr.

Tex., Pecos—Until Oct. 6, by J. F. Ross, judge Reeves Co., clearing, grubbing, grading and draining 21.56 mi. State Highway 1, involving 60,225 cu.yd. borrow and 29,284 cu.yd. roadway excav., 85.9 cu.yd. Class A, 545.9 cu.yd. Class B and 118 cu.yd. Class C concrete, 18,543 lb. reinforcing steel and 25,160 cu.yd. gravel (to be furnished by county), about $154,000; 9.69 mi. State Highway 1, 17,231 cu.yd. roadway and 30,373 cu.yd. borrow excav., 359.5 cu.yd. 1:2:4, 83.5 cu.yd. 1:2½:5 and 324.9 cu.yd. 1:2:3½ concrete, 31,309 lb. reinforcing steel, 2,850.5 cu.yd. gravel (to be furnished by county), $64,407. D. E. H. Manigault, El Paso, div. engr.

Colorado—Until Sept. 27, by State Highway Comn., Denver, gravel surfacing 3.158 mi. road between Craig and Hayden, Federal Aid Project 188, Moffat Co., involving 1,673 cu.yd. rock and 23,870 cu.yd. common excav. Cost $49,797. L. D. Blauvelt, State Museum Bldg., Denver, engr.

Utah, Salt Lake City—City Council receiving bids improving all streets north of South Temple and west of North Sts., involving 62,000 ft. paving, 92,000 cu.yd. excav. and 6,800 cu.yd. excav. and back fill. About $275,000. S. Q. Cannon, city engr.

Wash., Kelso—City receiving bids grading, paving and curbing ½ mi. Pacific Highway, 2nd, Columbia and Front Sts. About $26,000. J. C. Jackson, Kelso, engr.

California—Until Oct. 3, by State Highway Dept., Forum Bldg., Sacramento, paving with asphaltic concrete, 10 mi. highway in Kern Co., 1.9 mi. highway between Toulumne River Bridge and 1.2 mi. north of Ceres, Stanislaus Co.; paving with cement concrete or bituminous macadam 15.7 mi. highway between Summit and Victorville, San Bernardino Co.; grading 10 mi. highway between 6 mi. north of San Simeon and northern boundary San Luis Obispo Co. A. B. Fletcher, state highway engr.

Cal., Los Angeles—Until Sept. 26, by Bd. Supervs., Los Angeles Co., paving with 3 in. concrete, curbing, guttering and building culverts on 1.38 mi. Rd. Dist. 198, involving 18,341 sq.yd. concrete, 14,801 lin.ft. cement curbing, 41,343 sq.ft. concrete gutter, 16,976 cu.yd. earth excav. and 12,669 lb. reinforcing steel. About $75,000. Private plans.

Que., Montreal—Until Sept. 29, by Chairman Administrative Com., building sidewalks on St. Lawrence Blvd., Mozart, Amherst, Sacre Coeur, La Salle, St. Charles, Walkley, Colbrook, Grosvenor, Fortune and Fleurimont Aves. E. Blanchard, City Hall, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Massachusetts—State Highway Comn., Boston, let contract building 6,000 ft. gravel highway, 18 ft. wide, on Otis Rd., Monterey, to Hoyt Constr. Co., 85 Dartmouth St., Holyoke. About $30,000.

★Massachusetts—State Highway Comn., Boston, let contract paving 11,000 ft. state highway in Middlefield and Peru, 18 ft. wide, to C. Bianchi & Co., Framingham, $38,048.

★Connecticut—State Highway Dept., 240 Farmington Ave., Hartford, let contract paving 6,000 ft. trap rock highway, 18 ft. wide, in East Haddam, to F. Arrigoni & Bro., 605 Main St., Middletown, $26,000; 4,500 ft. 8 in gravel highway, 18 ft. wide, in Barkhamsted, to N. Benvenuti & Son, 74 Goshen St., New London, $20,000; 4,750 ft. 3 in. bituminous macadam highway, 18 ft. wide, in Stafford, to J. DeMichael & Bro., 58 High St., Torrington, $25,000; 1,480 ft. 8 in. gravel highway, 18 ft. wide, in Southbury, to Osborne & Barnes, Odd Fellows Bldg., Danbury, $7,000.

★N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, let contracts to Sicilian Asphalt Paving Co., 41 Park Row, New York City, regulating, curbing and paving Bay 22d St., cost $6,166, Chester St., $8,689, regulating and paving East New York Ave., $29,772, 75th St., $15,473, regulating and repaving 6th St., $4,120; to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., regulating, curbing and paving Sheridan Ave., $11,070, regulating and paving East 13th St., $10,317; to Borough Asphalt Co., 1301 Metropolitan Ave., regulating and paving Sheridan Ave., $4,889. Noted Sept. 8.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids Sept. 14, regulating and curbing, etc., (1) Malta St. from Lorraine to Stanley Aves., regulating and paving (2) Moultrie St. and Meserole to Greenpoint Aves., granite block, (3) Ave. Y from East 16th to East 18th Sts., preliminary 2nd hand granite on sand foundation, (4) 16th Ave. from 54th to 63rd Sts., asphalt on 6 in. concrete foundation, regulating and repaving (5) Metropolitan Ave. from North 7th St. to Bushwick Ave., granite block on 6 in. concrete foundation, (6) Hooper St. from Wythe Ave. to point 125 ft. east, asphalt on 6 in. concrete foundation, resurfacing (7) Chauncey St. from Bway. to Bushwick Ave., etc., asphalt, from J. J. McKenna, (1) $2,512; F. Persicano, 513 Medwood St., (1) $2,610; Grimm Constr. Co., (1) $2,668; Brooklyn Manhattan Contg. Corp., 26 Court St., (2) $13,639; T. F. Maher, (2) $16,376, (3) $9,520; F. J. Gallagher, 490 Park Pl., (2) $20,810, (3) $8,368; Welsh Bros. Contg. Co., 14 Queens St., Astoria, (2) $14,299, (5) $62,349; C. Gallagher, 745 Dean St., (2) $14,622, (3) $10,390; Cranford Co., 152 9th St., (4) $33,349, (6) $2,635, (7) $62,246; Borough Asphalt Co., 1301 Metropolitan Ave., (4) $34,410, (6) $2,151; Uvalde Asphalt Co., 1 Bway., New York City, (4) $34,562; M. I. Sachs, 246 South 9th St., (5) $62,304; McFarlan Contg. Co., (5) $62,874; Sicilian Asphalt Paving Co., 41 Park Row, New York City, (6) $2,852, (7) $75,332. Noted Sept. 8.

★N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, let contract regulating, grading, etc., Rockaway Blvd. from New York Ave. to Nassau Co. line, to A. Paino, 2016 East 14th St., New York City. About $273,000. Noted. Sept. 15.

★N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., let contract regulating and repaving Crescent St. also regulating and grading Concordia St., to C. A. Myers Contg. Co., Stagg St. and Morgan Ave., Brooklyn, $2,700 and $1,930 respectively; regulating and repaving Metropolitan Ave., to W. P. McDonald Constr. Co., 17 West 42nd St., New York City, $92,700; 5th St. and 1st Ave., to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $35,315 and $13,149 respectively; Luona Ave., to Sicilian Asphalt Paving Co., 41 Park Ave., New York City, $4,919; regulating and grading Arcadia Ave. and 5th St., to F. J. Clancy, Corona, $1,770 and $18,850 respectively; Ely Ave., to Welsh Bros. Contg. Co., 32 Queens St., Astoria, $9,479; Hallet St. and laying sidewalks on 46th St., to R. A. Hess, 14 Queens St., Astoria, $7,750 and $2,610 respectively. Noted Sept. 15.

N. Y., New York—H. Bruckner, pres. Bronx Boro, opened bids Sept. 16, repaving East Tremont Ave., from Casper-Helbock Co., Harlem River and 150th St., $40,875, Burnside Contg. Co., 270 Burnside Ave., $41,493, Regan Towers Co., $43,584; paving Fox St., from Asphalt Constr. Co., 2197 Madison Ave., $13,674, Interborough Asphalt Co., $13,913, Brusstar Constr. Co., Inc., Harlem River and 150th St., $14,058; regulating and grading, etc. Matthews Ave., from Testa Eng. & Contg. Co., 2415 Creston Ave., $12,027, Fordham Contg. Co., $16,140, J. W. Williams, Co., $17,684; building

Streets and Roads (Continued)

sewer in Aqueduct Ave., from Slattery Eng. & Contg. Co., 7 East 42nd St., $7,441, Norton Eng. & Contg. Co., $8,016, F. De Micco, Clarence Ave. and 134th St., $8,081. Noted Sept. 8.

★**N. J., Jersey City**—City let contract paving 8 blocks of Clerk and Union Sts., Monticello and Communipaw Aves., sheet asphalt on present foundation, to Williet Rd. Constr. Co., 51 Chambers St., New York City, 90 per cent of engineers estimate ($27,670). Noted Sept. 15.

N. J., Jersey City—F. Dolan, city clk., opened bids Sept. 13, paving 21 blocks Brunswick St. between Grand and 10th Sts., sheet asphalt on present foundation, from Willite Rd. Constr. Co., 51 Chambers St., New York City, 87 per cent engineers estimate ($64,540); W. T. S. Critchfield, 14th St., Hoboken, 87½ per cent; Clinton Asphalt Paving Co., Charles St., West Hoboken, 95 per cent. Noted Sept. 8.

★**N. J., Sparta**—Sparta Twp. let contract grading 2.68 mi. Sparta Woodport Rd., involving 38,200 cu.yd. earth excav., to Richards & Gaston, 110 South Bridge St., Somerville, $58,616. Noted Sept. 1.

D. C., Wash.—Dist. Comrs., 509 Dist. Bldg., received bids grading various streets, from W. F. Brenizer, 101 New York Ave., (1) $0.38, (2) $0.39, (3) $0.48, (4) $0.48, (5) $0.48, (6) $0.48, (7) $0.60; G. B. Mullin & Co., 1296 Upshur St., (1) $0.44, (2) $0.29, (3) $0.47, (4) $0.47, (5) $0.47, (6) $0.47; Corson & Gruman, (3, 4 and 5) $0.58; W. F. Cush, 3rd and R Sts., (1) $0.495, (2) $0.46. Noted Aug. 11.

★**North Carolina**—State Highway Dept., at div. office, Elkin, let contract clearing, grubbing, grading, draining and surfacing 7.16 mi. State Project 543, Stokes Co., to W. E. Graham, Mt. Ulla, $30,640; 14.86 mi. State Project 542, Stokes Co., to J. F. Mulligan Constr. Co., North Wilkesboro, $65,190; 3.14 mi., State Project 527, Ashe Co., to Pittman Constr. Co., Rhodes Bldg., Atlanta, Ga., $129,716. Noted Sept. 8.

North Carolina—State Highway Dept., at div. office, Charlotte, opened bids Sept. 10, clearing, grubbing, grading, draining and paving 7.88 mi. State Project 587 A, Iredell Co., from A. F. McConville, Ogdensburg, N. Y., $232,915; Thompson-Caldwell Constr. Co., Statesville, $244,509; J. A. Kreis & Co., Holston Bank Bldg., Knoxville, Tenn., $249,550. Noted Sept. 1.

★**O., Berea**—Village let contract paving Lincoln, Beach, 3rd and 5th Aves., involving 2,133 cu.yd. earth excav., 865 cu.yd. concrete, 6,161 sq.yd. brick paving, etc., to W. G. Denner, Berea, $60,121.

★**O., Cleveland**—Bd. Educ., East 6th St. and Rockwell Ave., let contract for 8,000 cu.yd. excav., stone steps and walks also building concrete retaining wall, to Uhl-Jasper Co., 1900 Euclid Ave., $35,180; playground surface and landscaping, to R. W. Walton, Hippodrome Bldg., $13,000. Noted Sept. 15.

★**O., Cleveland**—Cuyahoga Co. let contract improving various streets to Lake Erie Paving Co., Society for Savings Bldg., $100,434. Noted Sept. 15.

★**O., East Cleveland** (Cleveland P. O.)—City let contract improving East 133d St. from Shaw to 3d Aves., involving 76,000 sq.ft. monolithic brick, to Gould & Maybach, 823 East 150th St., Cleveland, $42,340. Noted Nov. 4.

★**Mich., Cheboygan** — State Highway Dept. at office Bd. Rd. Comrs. Cheboygan Co. and Emmet Co. (Petoskey), let contract grading, draining and surfacing 15.47 mi. Federal Aid Project 60, to Scott, Cochran & Scott, Saginaw. Work involves 71,217 cu.yd. earth excav., $0.60, 675 cu.yd. rock excav., $2.50, 254.7 cu.yd. 1:2:4 concrete, $18,250. 4 cu.yd. 1:3:6 concrete, $16, 6,961 sq.yd. water bound macadam, $1.30, 137,991 sq.yd. gravel, $0.47.

Mich., Detroit—City received bids paving alleys 1340 (1) to 1367 (28): T. E. Currie, 20 McGraw Bldg., (1) $8,618, (5) $4,394, (7) $3,671, (10) $2,869, (19) $3,956, (21) $3,219.—F. H. Davis Co., 1838 Penobscot Bldg., (1) $8,702, (10) $2,929, (12) $2,695, (15) $1,977, (17) $1,628, (18) $1,226, (19) $4,114, (24) $3,083, (25) $3,033, (27) $2,017.—Reading Corp., 413 West Fort St., (1) $8,814, (5) $4,450, (11) $2,590, (17) $1,704, (20) $3,639, (22) $3,078, (23) $3,380, (26) $2,245.—F. Porath, Jr., 305 Free Press Bldg., (2) $4,890, (8) $3,676, (9) $3,187, (13) $2,827, (14) $2,721.—Delisle & Cooper, 402 Ford Bldg., (2) $4,829, (3) $4,935, (4) $5,153, (8) $3,662, (9) $3,147, (13) $2,844, (14) $2,704, (26) $2,268.—Gustin & Co., (2) $4,884, (3) $4,991, (4) $5,173, (9) $3,180.—R. J. Powelson & Co., 6445 Iroquois Ave., (3) $4,956, (4) $5,135, (15) $2,043, (18) $1,247.—Otis Cement Constr. Co., 806 Hammond Bldg., (5) $4,517, (6) $4,562, (7) $3,698, (11) $2,687, (23) $3,420, (24) $3,277, (25) $3,172, (28) $1,727.—A. F. Lester, 309 Sun Bldg., (6) $4,593, (7) $3,718, (8) $3,723, (10) $2,925, (11) $2,705, (12) $2,631 (13) $2,921, (14) $2,806, (15) $2,014, (16) $1,726, (17) $1,684, (18) $1,164, (19) $4,089, (20) $3,663, (21) $3,293, (24) $3,049, (25) $2,931, (27) $1,978, (28) $1,726.—J. Porath, 34 McGraw Bldg., (6) $4,407, (22)$3,020, (23) $3,322, (26) $2,144, (28) $1,613.

Mich., Detroit—City received bids paving alleys 1368 (1) to 1377, (10), from T. E. Currie, 20 McGraw Bldg., (1) $4,954, (2) $4,580, (6) $4,777; Otis Cement Constr. Co., 806 Hammond Bldg., (1) $4,904, (2) $4,457, (3) $3,480, (4) $2,430, (6) $4,455, (7) $4,100, (8) $4,040, (9) $3,293, (10) $2,868; Gustin & Co., Detroit, (1) $4,910, (2) $4,462, A. F Lester, 309 Sun Bldg., (3) $3,805, (6) $4,580, (10) $2,797; F. H. Davis & Co., 1838 Penobscot Bldg., (3) $3,594; F. Porath, Jr., 305 Free Press Bldg., (4) $2,377, (9) $3,189; Delisle & Cooper, 402 Ford Bldg., (4) $2,438, (5) $2,298; J. Porath, 34 McGraw Bldg., (5) $2,192, (7) $4,025, (8) $3,968; G. Nunn, 6409-3rd St., (5) $2,230; Reading Corp., 413 West Fort St., (7) $4,101, (8) $4,043, (9) $3,290. Detroit Drainage Constr. Co., 827 Ford Bldg., (10) $2,839.

★**Mich., Hillsdale**—State Highway Dept. at office Bd. Rd. comrs. Hillsdale Co. (Hillsdale), and Calhoun Co. (Marshall), let contract grading, draining and surfacing 11.423 mi. Federal Aid Project 37, to Townsend & Shuttleworth, Lansing. Work involves surfacing 1.93 mi. with concrete, 8,546 cu.yd. excav., $0.75, 24.6 cu.yd. 1:2:4 concrete, $15, 20,353 sq.yd. concrete, $2.10; 9.493 mi. to be surfaced with gravel, 27,067 cu.yd. excav., $0.50, 122.8 cu.yd. 1:2:4 and 65.4 cu.yd. 1:3:6 concrete, $15 89,097 sq.yd. gravel, $0.45. Noted Aug. 25.

★**Ill., Carlyle** — Clinton Co. let contract paving Carlyle-Keysport Rd., involving 6,964 sq.yd. concrete, to W. McDonald Constr. Co., Odd Fellows Bldg., St. Louis, Mo., $28,472. Noted Sept. 8.

★**Ill., Elgin**—City let contract paving, curbing and guttering State and North Liberty Sts., asphalt on concrete base, to Illinois Hydraulic Stone & Constr., Elgin. About $25,000. Noted Sept. 1.

★**Ill., Galesburg**—City let contracts paving 3,400 sq.yd. Prairie St., and 14,300 sq.yd. Lincoln St., vitr. brick on 5 in. concrete base, asphalt filler, to Graham-King Constr. Co., 550 South Cedar St., $17,537 and $75,608 respectively.

★**Ill., East Hammond**—City let contract paving various streets, vitr. brick and asphalt on concrete base, to Public Constr. Co., Rimback Bldg. About $53,000.

★**Wisconsin**—State Highway Dept., Div. Office 9, Teller Bldg., Lancaster, let contracts grading and surfacing 8.18 mi. Lake to River Rd., Federal Aid Project 140, and 8.17 mi. Lake to River Rd., Federal Aid Project 34, Iowa Co., to Carroll Constr. Co., 124 2nd St., Milwaukee, $29,982 and $23,670 respectively. Noted Sept. 8.

★**Wis., Mayville**—City let contract paving and grading 0.9 mi. Fremont and Main Sts., involving 11,050 sq.yd. 1 course reinforced con., to F. Doherty Co., 753 47th St., Milwaukee, $2.59 per sq.yd.

★**Ia., Dennison**—Crawford Co. let contract grading 15.42 mi. Primary Rd. Project 8, north, northwest and southeast of here, involving 309,958 cu.yd. earth excav., to Peterson, Shirley & Gunther, 1102 Woodmen of the World Bldg., Omaha, Neb., $0.1975 per cu.yd. Noted July 7.

★**Ia., Des Moines**—City let contracts paving Oak Park Ave., asphalt and concrete, to Des Moines Asphalt Paving Co., 7th and New York Sts. $25,474; Mulberry St., to G. F. Lambert, 715 West 21st St., $25,000. Noted Aug. 5.

★**Ia., Grundy Center**—Grundy Co. let contract gravel surfacing 8.21 mi. primary roads Project 163, involving 12.315 cu.yd. gravel, to Miller Constr. Co., Sioux City, at $0.42 per cu.yd., load, haul one mile and spread, $0.47 per cu.yd. stripping gravel pits. Noted Aug. 25.

★**Ia., Le Mars**—Plymouth Co. let contracts grading and draining 5.146 mi. Wren-Junction-Merrill Rd., involving 101,900 cu.yd. excav., to I. Cox, Sioux Falls, $0.16 per cu.yd.; 20 mi. Le Mars-Akron Rd., involving 259,178 cu.yd. excav., to A. L. Cook, Ottawa, Kan., $0.1875 per cu.yd. Noted Sept. 1.

★**Ia., Spencer**—Clay Co. let contract grading 6.42 mi., Primary Rd. Project 56, east and west of Peterson, involving 126,645 cu.yd. earth excav., to Wickes Eng. & Constr. Co., 418 Polk Bldg., Des Moines, 101,999 cu.yd. earth excav. at $0.299 per cu.yd., 24,646 cu.yd. at $0.59. Noted Aug. 25.

★**Minn., Hastings**—Dakota Co. let contract grading and paving 1.5 mi. Lyndale Ave. Rd. between Dodd Rd. and State Rd. 6, bitulithic, to General Contg. Co., 1228 Plymouth Bldg., Minneapolis, $47,706. Noted Sept. 8.

★**Minn., Slayton**—City let contract paving about 15,000 sq.yd. various streets, to Hanlon & Okes, 338 Lumber Exch. Bldg., Minneapolis. About $53,000. Noted Aug. 25.

★**Neb., Nelson**—City let contract grading and concrete paving various streets, to Cook-O'Brien Constr. Co., Ry. Exch. Bldg., Kansas City, Mo. About $63,000. Noted Sept. 1.

★**Wyo., Casper**—Natrona Co. let contract grading and gravel surfacing 7 mi. Federal Aid Project 89, from county line west to here, involving 30,000 cu.yd. excav., 12,000 cu.yd. gravel, etc., to Sherrock & Purcell, Casper, $38,823. Noted Aug. 4.

★**Missouri**—State Highway Dept., Jefferson City, let contract building 3.29 mi. road from Taylor northward and southward, Red Ball Route, State Aid Project 20.39, Marion Co., to J. T. McMahon, 4238 North 19th St., St. Louis, $11,123; 4.93 mi. from Macon northward and southward, State Aid Project 20.54, Macon Co., to L. Rich Constr. Co., East St. Louis, $15,181; 6.23 mi. from Osceola northward and southward, State Aid Project 20.74, St. Clair Co., involving 22,837 cu.yd. earth excav., 185.4 cu.yd. Class B and 6 cu.yd. Class C concrete masonry, etc., to M. E. Gilliez, Monett, $14,054; 3.39 mi. from Osceola southwestward, State Aid Project 20.75, St. Clair Co., 13,671 cu.yd. earth and 1,600 cu.yd. rock excav., 164.7 cu.yd. Class B and 6 cu.yd. Class C concrete masonry, to A. T. Cook, Ottawa, Kan., $13,172. Noted June 30 and July 28.

★**Mo., Cameron**—City let contract improving various streets, to P. A. Johnson, Cameron. About $25,000.

★**Tex., Comanche**—Comanche Co. let contract clearing, grubbing, grading, gravel surfacing and draining 17.43 mi. State Highway 18, and 8.03 mi. State Highway 22, to Harris & Powell, Comanche, $129,573 and $55,415 respectively. Noted Sept. 15.

Tex., Ft. Worth—Tarrant Co. received bids paving 13.36 mi. Ft. Worth-Hicks Rd., involving 141,104 sq.yd. of (a) 1½ in. asphalt macadam, (b) 1½ in. asphaltic concrete, or (c) 1½ in. Uvalde rock asphalt, from Tibbetts Constr. Co., Box 179, Mineral Wells, (a) $140,398, (b) $156,625; H. K. McCollum Constr. Co., 224 Texas State Bank Bldg., (a) $125,826, (b) $172,147, (c) $183,435; Womack Constr. Co., Sherman, (a) $130,521.

Tex., Ft. Worth—Tarrant Co. received bids paving 6.84 mi. Kutemans Cut Off Rd., with (a) 1½ in. inverted penetration asphaltic macadam, (b) 1½ in. asphaltic concrete, (c) 1½ in. Uvalde rock asphalt, (d) 3 in. vertical fibre brick with wood header, (e) 1½ in. Warrenite bitulithic, from H. K. McCollum Constr. Co., 224 Texas State Bank Bldg., (a) $74,347, (b) $89,506, (c) $94,558; West Texas Constr. Co., Amarillo, (d) $153,748, (e) $96,724; T. A. Griffin, Seevers St., Dallas, (a) $71,460. Noted Aug. 18.

★**Tex., Greenville**—Hunt Co. let contracts for (a) clearing, grubbing, grading and paving Highway 39, (b) constructing concrete, drainage structures and timber pile trestles on same, involving 23,294 cu.yd. borrow and 14,215 cu.yd. roadway excav., 11.5 cu.yd. concrete, 21,117 gal. bituminous

Streets and Roads (Continued)

material, 7,240.4 cu.yd. crushed stone base, to Hunt Co., c/o A. D. Duck, supt. construction, Greenville, (a) $68,608; Brown-Abbot Co., Loraine, (b) $8,804.

Tex., Groesbeck—Limestone Co. received bids gravel surfacing 4 mi. State Highway 7, involving 176,816 cu.yd. gravel, from G. D. Roan, Groesbeck, $17,472; N. Jones, Groesbeck, $18,359; Deal & Epperson, Big Hill, $18,595. Surfacing material to be furnished by county. Noted Aug. 4.

★**Tex., Henderson**—Ruck Co. let contracts clearing, grubbing, grading and draining 7.02 mi. State Highway 43, to Tibbets Constr. Co., Box 179, Mineral Wells, $47,505 including 10% for engineering and contingencies; 6.96 mi. State Highway 43 to O'Neal Eng. & Constr. Co., Dallas, $27,368 including 10% for engineering and contingencies; 14.92 mi. State Highway 26, to McClung Constr. Co., c/o G. A. McClung, Cleburne, $80,546 including 10% for engineering and contingencies. Materials furnished by county. Noted Aug. 18.

Tex., Linden—Cass Co. received bids grading, gravel surfacing and draining 13.01 mi. State Highway 1-A, involving 10 acres clearing and grubbing, 4,757 cu.yd. borrow, 50,311 cu.yd. roadway excav., 380.7 cu.yd. 1:2:4, 93.8 cu.yd. 1:2½:5 and 53.2 cu.yd. 1:3:6 concrete, 379 lin. ft. creosoted timber piling, 38,939 lb. reinforcing steel, etc., from C. W. Burgess, 710 Haines Ave., Dallas, $52,120; N. B. Gregory, Texarkana, $55,838; Smith Bros., Crockett, $58,969.

★**Tex., Quitman**—Wood Co. let contract grading, draining and graveling 4.43 mi. State Highway 15 A, to McCoy & Bush, c/o W. P. McCoy, Arlington, $66,695 including 10% for engineering and contingencies. Materials furnished by county. Noted Aug. 11.

★**Colorado**—State Highway Dept., Denver, let contract paving 2½ mi. road southwest of Sterling on Lincoln Highway, concrete, Federal Aid Project 142, Logan Co., to H. L. Scott, 327 North 3rd St., Sterling, $82,154; grading and draining 5.5218 mi. Turkey Creek Canon Rd. between Morrison and Conifer, to Peterson, Shirley & Gunther, 3205 Josephine St., Denver, $34,610. Noted Sept. 15.

★**Oregon**—State Highway Comn., Salem, let contracts graveling 10.9 mi. highway in Deschutes Co., to J. K. Shotwell, Hermiston, $19,500, 2.4 mi. in Yamhill Co., to F. Ruble, McMinnville, $10,525, 7,700 cu.yd. Crooked River Highway, Crook Co., to Crook Co., Comn., Prineville, $10,395; macadamizing 11.4 mi. in Grant Co., to S. C. Comerford, Boise, Idaho, $25,600, 11.4 mi. in Hood River Co., to Joplin & Eldon, Portland, $54,546, 5.1 mi. in Klamath Co., to Warren Constr. Co., Journal Bldg., Portland, $28,900; grading 5,500 cu.yd. in Jackson Co., to J. L. Calvert, Grants Pass., $3,735, 16,500 cu.yd. in Josephine Co., to Washburn & Hall, Portland, $12,315, 14.3 mi. in Jackson and Deschutes Co., to J. Hampshire, Grants Pass, $37,682; grading and graveling 6.5 mi. in Walheur Co., to Morrison & Knudson, Railroad and Reclamation Aves., Boise, Idaho, $41,128; guard fencing 40,000 lin.ft. in Umatilla Co., to Fragier & Samuels, Salem, $25,000.

California—State Highway Comn., 515 Forum Bldg., Sacramento, received bids paving (1) 3.52 mi. highway between Jamestown and Sonora, Tuolumne Co., involving (a) 9,700 cu.yd. excav., (b) 4,560 cu.yd. Class A Portland cement concrete pavement, (c) 25 cu.yd. Class A Portland cement concrete culverts and monuments, (2) 9.4 mi. highway between west boundary and 1 mi. north of Keystone, involving 11,500 cu.yd. Class A Portland cement concrete pavement, from J. A. Costello, Jr., 1083 Shotwell St., San Francisco, (1a) $2, (1b) $13, (1c) $30, total $82,466; Pacific Constr. Co., San Francisco, (1a) $3, (1b) $4.45, (1c) $35, total $99,426, (2) $16.50, $189,750; Warren Constr. Co., Journal Bldg., Portland, Ore., (1a) $3, (1b) $13, (1c) $33, $92,087, (2) $13, $149,500, $1,495. Noted Aug. 25.

Industrial Works

PROPOSED WORK

N. J., Atlantic City—Union Transfer Co., 1004 Spring Garden St., Phila., soon receives bids building 1 story, 105 x 105 ft. garage with 60 x 150 ft. wing, rein.-con. and steel, rein.-con. flooring, plain foundation, here. C. J. Mitchell, 129 South 15th St., Phila., archt.

N. J., Mt. Holly—W. A. Jones, Washington and King Sts., soon receives bids building 1 and 2 story, 100 x 200 ft., rein.-con. and steel garage and service station, plain foundation. About $70,000. Folson & Stanton, 10 South 18th St., Phila., archts.

Pa., Phila.—Dept. City Transit receives bids about Oct. 31, building 2 substations, one 40 x 60 ft. on Cumberland and Kensington Aves., and one 40 x 70 ft. on Griscom and Arrot Aves. H. H. Quimby, 1211 Chestnut St., engr.

O., Cleveland—Cleveland Electric Illuminating Co., Illuminating Bldg., had plans prepared by M. S. Gallagher, archt., Illuminating Bldg., 2 story, 26 x 60 ft., brick, steel and concrete addition to sub-station, plain foundation, on East 17th St. About $40,000.

O., Lakewood (Cleveland, P. O.)—J. G. Stern, c/o J. C. Froelich, 214 Williamson Bldg., Cleveland, plans to construct 1 story, 70 x 120 ft., brick and steel garage and commercial building, plain foundation, on Madison and Clarence Aves., here. About $50,000. Private plans.

Ill., Chicago—North Amer. Car Co., 328 South La Salle St., soon receives bids building 1 story, 80 x 125 ft. car erection plant, brick and steel, on 135th St. and California Ave. About $40,000. Private plans.

Ill., Evanston—V. C. Carlson, 701 Church St., having plans prepared for 1 story, 40 x 130 ft. auto sales and repair shop, brick, rein.-con. and terra cotta. About $50,000. Architect not announced.

Ill., Granite City—Cabaret Range Co., c/o A. Holloway, plans to construct 4 brick and steel buildings. About $300,000. Architect not selected.

Ill., Harrisburg—C. V. Parker & Co. having plans prepared by H. E. Boyle, archt., Furniture Bldg., Evansville, Ind., for 3 story, 80 x 200 ft. warehouse, rein.-con. and brick. About $150,000. Noted Sept. 15.

Wis., Antigo—Mattefs Bros. Co., c/o G. Mattefs, pres., plans to build 2 story, 60 x 180 ft. factory, rein.-con. steel and brick, rein.-con. flooring, brick foundation, on Main St. About $150,000. Architect not selected, probably private plans.

Wis., Beloit—Beloit Iron Wks., c/o E. H. Neese, vice pres., plans to build 1 story, 60 x 85 ft. rein.-con., brick and steel pattern shop, brick foundation. About $50,000. Architect not selected.

Wis., Milwaukee—Milwaukee Western Fuel Co., 120 Wisconsin St., rejected bids building 1 and 2 story, brick, steel and concrete garage, rein.-con. flooring, plain foundation, on Clinton and South Pierce Sts. Cost between $80,000 and $100,000. Work will be readvertised. Klug & Smith, Mack Blk., archts. and engrs.

Wis., Milwaukee—C. Kalinowski, 1178 7th Ave., had plans prepared by L. M. Gurda, archt., 470 Mitchell St., for 2 story, 40 x 74 ft., bakery, brick, plain foundation, on 8th Ave. About $40,000.

Wis., North Milwaukee—J. Greenebaum Tanning Co. had plans prepared for 2 story, 46 x 70 ft., brick and timber addition, plain foundation. About $40,000. Vaughn & Meyer, Security Bldg., Milwaukee, engrs. Noted Aug. 25.

Wis., Saukille—A. Horn had plans prepared by W. F. Hilgren, archt., Cedarburg, for 1 and 2 story, 40 x 139 ft., rein.-con., steel and brick garage, etc., rein.-con. flooring, brick foundation, on Main St. About $45,000.

Wis., Sheboygan—Eastern Wisconsin Electric Co., c/o H. Ellis, vice pres., 8th and Pennsylvania Aves., plans to build 1 story, 60 x 200 ft., steel and brick, generating and power house, rein.-con. flooring, brick foundation, on 8th St. About $400,000. Architect not selected.

Wis., Sheboygan—Ke-No Mfg. Co., Pennsylvania Ave. and East Water St., having plans prepared by W. C. Weeks, archt., 720 Ontario Ave., for 2 and 3 story, 60 x 100 ft. factory, rein.-con. and brick, brick foundation, on Pennsylvania Ave. About $65,000.

Wis., Waupun—K. Wessel & C. Snyder, 1285 Camd Blvd., St. Paul, plan to build 2 story, 60 x 210 ft. hemp factory, rein.-con., steel and brick, brick foundation, here. About $100,000. Architect not selected.

Neb., Madison—City having plans prepared for addition to electric light plant. About $70,000. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

Neb., West Point—City c/o S. Lindale, soon receives bids building addition to electric light plant. About $58,000. Koening & Hillister & Co., Bankers Life Bldg., Lincoln, engrs. Noted June 23.

Mo., Sedalia—State Building Comn., Jefferson City, plans to build hog farm on state fair grounds, here. About $125,000.

Tex., Dallas—Dallas Co-operative Ice & Mfg. Co., 907½ Commerce St., had plans prepared and receives bids about Nov. 15, constructing 1 story, 65 x 200 ft., concrete and steel plant, at 4000 Spring Ave. About $72,000. O. J. Bouis, 907½ Commerce St., consult. engr.

Okla., Tulsa—Cosden Refining Co., West Tulsa St., plans to build additions to steam power plant. About $100,000.

BIDS DESIRED

Pa., Altoona—Altoona Overall Co., 1422 11th Ave., receiving bids building 4 story, 50 x 132 ft. rein.-con., brick and steel factory on Chestnut Ave. About $200,000. A. Parish and M. Henderson, owners.

O., Cleveland—F. V. Cipra, Dover, receiving bids building 1 story, 31 x 103 ft., brick garage, plain foundation, at 7005 Lorain Ave., here. About $45,000. Private plans.

O., Cleveland—City Ice & Fuel Co., Cadillac Bldg., receiving bids building 1 story, 52 x 75 ft. ice plant, brick and steel, plain foundation, on Addison Rd. About $75,000. C. C. Coneby, Cadillac Bldg., archt.

O., Cleveland—M. H. and I. Stone, Kirby Bldg., receiving bids building 1 story, 40 x 56 ft. brick garage, plain foundation, at 2150 East 55th St. About $40,000. Private plans.

Ill., Chicago—W. P. Doerr, archt., 28 East Jackson St., receiving bids building 1 story, 110 x 125 ft. garage, brick and stone, on Princeton Ave. and 31st St., for R. Munizzo, 2904 South Wells St. About $40,000.

Ill., Moline—Until Sept. 27, by Moline Daily Dispatch, 1509 3rd Ave. A, building 2 story, 50 x 140 ft. publishing plant, rein.-con. and brick. About $150,000. Clausen & Kruse, Central Office Bldg., Davenport, Ia., archts. Noted Sept. 15.

Ill., Oak Park—Until Sept. 29, by G. J. Kingsley, archt., 109 North Dearborn St., Chicago, constructing 5 story, 48 x 58 ft. storage building and warehouse, rein.-con. and brick, for Drechsler Storage & Warehouse Co., 1137 Lake St. About $150,000.

Wis., Oshkosh—Auler & Jensen, archts. and engrs., F.R.A. Bldg., receiving bids building 1 story, 150 x 375 ft., rein.-con., steel and brick factory, rein.-con. flooring, plain foundation, for Oshkosh Tractor Co., 22 East New York Ave. About $175,000. Noted June 23.

Okla., Sayre—See "Waterworks."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Rumford**—Mt. Zircon Water Co., 103 Arch St., Boston, Mass., let contract building 2 story, 50 x 80 ft. brick and timber plant, plain foundation, at South Rumford, to J. H. Kerr, Rumford. Noted Apr. 28.

★**Mass., Boston**—Womens Educational & Industrial Union, 264 Boylston St., let contract building 4 story, brick, concrete and steel factory and laboratory, rein.-con. flooring, plain foundation, on Bway. and Fayette St., here, to C. A. Dodge Co., Erie St., Cambridge. About $100,000.

★**R. I., Providence**—Williams & Anderson Co., 33 Broad St., let contract building 1 story, 60 x 160 ft. factory with 60 x 100 ft. ell, brick, concrete and steel, rein.-con. flooring, plain foundation, on North Main St., Bowerman Bros., 230 Industrial Trust Bldg. About $60,000. Noted Aug. 25.

★**Conn., Danbury**—J. McNiff, 85 Main St., let contract building 1 story, 40 x 180 ft., brick and steel garage and service station, on Center St., to L. J. Sweeney, 26 Montgomery St.

★**Conn., Ansonia**—H. Fosdick, 104 Central St., let contract building 1 story, 75 x 100 ft. brick, concrete and steel garage and

Industrial Works (Continued)

service station, rein-con. flooring, plain foundation, on Central and Jewett Sts., to R. J. Hall, 7 Lester St. About $40,000.

★**Pa., New Brighton** — Wyckoff Drawn Steel Co., Frick Bldg., will build 1 story, 60 x 200 ft. brick and steel factory in Wyckoff, near here. About $75,000. Work will be done by day labor.

O., Ashtabula—City received bids building superstructure of 1 story, 80 x 80 ft. power plant, brick, steel and concrete, rein. con. flooring, plain foundation, from Service Constr. Co., 6110 Euclid Ave., Cleveland, $62,480; Hughes-Foulkrod Co., Oliver Bldg., Pittsburgh, Pa., $66,300. Noted Feb. 24.

★**O., Cleveland**—Overland-Larick Co., 18,526 St. Clair Ave., let contract building 1 story, 65 x 150 ft., brick garage, plain foundation, on East 152nd St. and St. Clair Ave., to W. J. Claxton, Vickers Bldg. About $50,000.

★**O., Columbus**—Columbus Forge & Iron Co., West 1st Ave., let contract building 1 story, 70 x 200 ft. and 110 x 120 ft. factory, to Middle States Constr. Co., 524 East Hudson St. About $50,000. Noted Sept. 1.

★**Wis., Milwaukee**—Pauly & Marx, 2530 North Ave., let contract building 1 and 2 story, 116 x 130 ft., brick and concrete garage, rein.-con. flooring, plain foundation, on North Ave., to Wilke Bros., 1011 Island Ave. About $50,000. Noted Sept. 8.

★**Wis., Milwaukee**—Pillsbury Flour Mills, 228 3d St. let contract building 1 story, 64 x 160 ft., brick and timber warehouse, plain foundation, on Reed St., to H. Schmitt & Son, 430 Farwell Ave. About $40,000.

★**Wis., Milwaukee**—F. Rosenberg Elevator Co., 174 Reed St., let contract building 1 and 2 story, 120 x 223 ft., brick, steel and concrete factory rein.-con. flooring, plain foundation on Richards and Franklin Sts., to Raulf Co., 428 Grand Ave. Cost between $60,000 and $75,000. Noted Aug. 25.

★**Wis., Milwaukee**—A. Scharf, 516 Burleigh St., will build 1 story, 60 x 120 ft., brick and concrete garage, rein.-con. flooring, plain foundation, on 3d St. About $40,000. Private plans. Work will be done by day labor.

★**Wis., Milwaukee** — Upper Third St. Realty Co., 989 5th St., let contract building 4 story, 40 x 120 ft., brick and timber plant, plain foundation, on 3rd St., to A. Filter, 989 5th St. About $40,000.

★**Wis., Milwaukee**—Van Buren Garage Co., 174 Ogden Ave., let contract building 2 story, 57 x 127 ft., brick and rein.-con. garage, rein.-con. flooring, plain foundation, on Van Buren St., to R. Reisinger & Co., 464 Oakland Ave. About $70,000. Noted Sept. 8.

Minn., Minneapolis—Starr-Bullard Motor Co., 1208 Harmon Pl., let contract building 2 story, 75 x 120 or 75 x 200 ft., rein.-con. and brick garage on LaSalle Ave. and 13th St., to C. F. Haglin & Sons, 226 Lumber Exch. Bldg. Cost between $45,000 and $65,000.

Minn., St. Paul—Owen Motor Sales Co., 713 University Ave., let general contract building 1 story addition to present 1 story and erecting 2 story, 50 ft. addition to garage, brick and concrete, to Grant Smith & Co., 1505 Pioneer Bldg. About $40,000. Noted Aug. 4.

★**S. D., Redfield**—State Bd. Charities and Correction let contract building 2 story, concrete, brick and tile service building, at State School for Feeble Minded, here, to H. F. Stolte, Redfield. About $68 000. Noted July 21.

★**Mo., Eldon**—Chicago, Rock Island & Pacific RR., 137 West Van Buren St., Chicago, let contract building 1 story, brick and steel round house, here, to T. S. Leake & Co., 608 South Clark St., Chicago. About $50,000. Noted June 9.

★**Mo., Sedalia**—Swift & Co. let contract building 2 story, 100 x 200 ft. packing plant, rein.-con., brick and steel, to Collins Bros., Rialto Bldg., Kansas City. About $175,000. Noted Sept. 8.

Tex., Dallas—J. T. and J. H. Jones, 2401 Travis St., let contract constructing 2 story 100 x 100 ft. brick garage on Commerce and Parther Sts., to G. W. Hewitt, Slaughter Bldg. About $65,000.

★**Que., Montreal**—P. Labelle, 721 Dorchester St. W., will build 3 story, 114 x 175 ft. concrete and steel garage, on Argyle and Overdale Aves. Work will be done by day labor. About $150,000.

★**Ont., Windsor** — Essex Provision Co., Ltd., 1120 McDougall St., let contract building 4 story, 280 x 300 ft. rein.-con. and steel storage plant on McDougall St., to P. H. Secord & Sons, 133 Nelson St., Brantford. About $500,000. Noted Sept. 15.

Buildings

PROPOSED WORK

Me., Lewiston — School — O'Connell & Shaw, archts, 18 Boylston St., Boston, revising plans for 2 story, 128 x 220 ft., brick and steel on Park St., for St. Peters Roman Catholic Church. About $250,000. A. C. Cote, pastor. Noted Mar. 10.

Mass., Everett—High School—Bldg. Com. having plans prepared by Richie, Parsons & Taylor, archts., 15 Ashburton Pl., Boston, for 3 story, brick, concrete and steel, on Bway. About $750,000.

Mass., Newton (Boston P. O.)—Science—Boston College, Chestnut Hill, soon lets contract building 3 story, 75 x 180 ft., stone, brick and steel, rein.-con. flooring, plain foundation, on Commonwealth Ave. and College Rd. Cost between $400,000 and $500,000. Maginnis & Walsh, 100 Boylston St., Boston, archts. Noted Jan. 6.

Mass., North Adams — Grade School — School Bldg. Dept. having plans prepared by R. B. Warner, archt., 168 Bridge St., Springfield, for 2½ story, brick and steel, on State St. About $150,000. Noted July 28.

Mass., Pittsfield—School and Hall—City having plans prepared by G. E. Haynes, archt., Miller Bldg., for 2 story, on Tennyson Ave. About $150,000. M. W. Flynn, mayor.

R. I., Pawtucket—High School—City having preliminary plans prepared by R. C. N. Monahan,, archt., 255 Main St., for high school. About $1,300,000.

N. Y., New York—Clubhouse—Ladies Christian Union, 49 West 9th St., soon receives bids altering 5 story, 81 x 95 ft., brick and stone, brick foundation, at 151-159 East 36th St. About $200,000. Ewing & Allen 101 Park Ave., archts. and engrs. Noted Nov. 11.

N. Y., Utica—Church—First Presbyterian Church having sketches made by Cram & Ferguson, archts., 15 Beacon St., Boston, for 1 story, stone and steel, on Genesee St. About $200,000.

N. J., Hackensack — Hospital — Crowe, Lewis & Wick, archts. and engrs., 200 5th Ave., New York City, soon let contract building 6 story, for managers. Hackensack Hospital. About $700,000. Noted Jan. 13.

N. J., Jersey City—Apartment—H. Temkin, 43 West 30th St., Bayonne, having plans prepared by N. Welitoff, archt., 249 Washington St., for 5 story, 61 x 133 ft., brick, at 53-55 Duncan Ave., here. About $150,000.

Pa., Bedford Springs—Hotel—Bedford Springs Hotel Co. having plans prepared by Rutan, Russell & Wood, archts., Century Bldg., Pittsburgh, for 8 story hotel, here. Cost between $400,000 and $500,000.

Pa., Braddock—Theater—Crystal Amusement Co. having plans prepared by H. S. Bair, archt., Vandergrift Bldg., Pittsburgh, for 1 story, 86 x 135 ft. brick, terra cotta and steel, rein.-con. flooring, concrete foundation, on Braddock Ave. About $200,000.

Pa., Pottsville—Hospital—Homeopathic Hospital, c/o L. Higby, Pottstown, soon receives bids building 2 story, 40 x 100 ft. addition. About $150,000. R. R. MacGoodwin, 1422 Walnut St., Phila., archt.

Pa., State College — Theater — Nittany Theater Co. having plans prepared by H. S. Bair, archt., Vandergrift Bldg., Pittsburgh, for 1 story, 60 x 110 ft. brick and steel, rein.-con. flooring, concrete foundation. About $150,000. Bids being received for foundation.

W. Va., Morgantown — Gymnasium—State Bd. Control, Charleston, having preliminary plans prepared by P. A. Davis, 3rd. archt., Presser Bldg., Phila., for 2 story gymnasium on High and Prospect Sts. About $150,000.

W. Va., Princeton—College—Wysong & Jones, archts., Charleston, opens bids about March 1, building 3 story, 100 x 160 ft., brick, steel, concrete and marble, here, for Emory & Henry College. About $150,000.

W. Va., Princeton—High School—Bd. Educ. opens bids about Feb. 1, building 3 story. About $150,000. Wysong & Jones, Charleston, archts.

N. C., Charlotte—High School—City having plans prepared by Lockwood, Green & Co., archts., Charlotte, for high school. About $200,000.

N. C., Charlotte—Office—J. H. Little and others, 13 North Poplar St., plan to organize stock company and build 8 story. About $250,000.

N. C., High Point—Bank—Commercial Natl. Bank having plans prepared by C. C. Hartman, archt., Greensboro, for 10 story, on Main St. About $500,000. J. E. Cox, pres.

N. C., Winston-Salem—Schools, etc.—City election Oct. 25, to vote on $1,000,000 bonds to build schools and $50,000 for hospital. J. G. Haynes, mayor.

Tenn., Nashville—Dormitories—Peabody Teachers' College, Peabody Campus, having plans prepared by H. C. Hibbs, archt., 4th and 1st Natl. Bank Bldg., for 2 dormitories. About $150,000 each.

O., Akron—School—Bd. Educ. received bids building 2 story, brick, steel and concrete, rein.-con. flooring, plain foundation, on Caldwell Ave., from Carmichael Constr. Co., 524 Hamilton Bldg., $183,000; Akron Storage & Contg. Co., Cole Ave. and Sherman St., $186,000.

O., Cleveland—Apartment—H. Chakford, 11409 Woodworth Rd., plans to build 4 story, 120 x 160 ft., brick, plain foundation, on East 142nd St. and Woodworth Rd. About $200,000. Private plans.

O., Cleveland—Armory—Best & Hoefler, archts., Vickers Bldg., receiving bids building 3 story, brick, steel and concrete, rein.-con. flooring, plain foundation, on Bolivar Rd., for Cleveland Gray's, c/o H. P. Schuppe, capt., 2840 Carnegie Ave. About $200,000. Noted Feb. 17.

O., Cleveland — Commercial — L. Flatau Realty Co., c/o E. McGeorge, archt., 1900 Euclid Ave., having plans prepared for 6 story, brick, steel and rein.-con., rein.-con. flooring, plain foundation, at 2902 Euclid Ave. About $500,000.

O., Cleveland—Commercial—D. Flatau, Society for Savings Bldg., having plans prepared by A. F. Janowitz, archt., Permanent Bldg., for 3 story, 90 x 120 ft., brick and steel, plain foundation, on Superior Ave. and East 79th St. About $150,000.

O., Cleveland—Commercial and Office—A. Carlin, East 14th St. and Huron Rd., having plans prepared by A. E. Spracking, archt., Caxton Bldg., for 6 story, 130 x 220 ft., brick, steel and concrete, rein.-con. flooring, plain foundation, on 14th St. and Prospect Ave. About $200,000.

O., Cleveland—Hotel—D. R. Hawley, Cuyahoga Bldg., plans to build 6 story, brick, steel and concrete, plain foundation, on Euclid Ave. opposite Colt Rd. About $200,000. Architect not selected.

O., Cleveland—Jail—Cuyahoga Co. election Nov. 9 to vote on $2,000,000 bonds to build 4 story, brick, steel and concrete, rein.-con. flooring, plain foundation, on West 3rd St. and Lakeside Ave. W. S. Lougee, Marshall Bldg., archt.

Mich., Detroit — School — St. Augustine's Parish, Davison and Justine Aves., having plans prepared by Smith, Hinchman & Grylls, archts., 710 Washington Arcade, for 2 story, 156 x 170 ft. rein.-con., brick and steel, concrete foundation, on Davison and Justine Aves. About $175,000.

Mich., Lapeer—Library—City Library Comn. having plans prepared by Smith, Hinchman & Grylls, archts., 710 Washington Arcade, Detroit, for 2 story, 40 x 80 ft. rein.-con., brick and steel, concrete foundation, on Pearl St. About $150,000.

Ill., Chicago—Apartment—R. F. France, archt., 155 North Clark St., soon receives bids building 3 story, 100 x 150 ft., brick

Buildings (Continued)

and concrete, on Kenmore and Glenlake Aves., for Thorne & Brennon, c/o W. Thorne, 10 South La Salle St. About $160,000.

Ill., Chicago—Apartments—A. V. Teisen, archt., 4804 North Kedzie Ave., preparing plans and soon receives bids building 3 story, 108 x 175 ft., on Kenilworth and Glenwood Aves., $200,000, three 3 story, 112 x 175 ft., on Kenilworth Ave. and Sheridan Rd., $200,000 each, five 3 story, 110 x 175 ft., on Sheridan Rd. and Estes Ave., $250,000 each, all brick and stone, for Plotke & Grosby, 2532 North Clark St.

Ill., Chicago—Office—A. S. Schulman, 440 South Dearborn St., plans to build 21 story, 66 x 125 ft., stone and steel, at 519-31 South Dearborn St. About $2,000,000. Architect not selected.

Ill., Decatur—Apartment—L. S. Baker, archt., 1026 West Macon St., preparing plans for 3 story, 34 x 126 ft., rein.-con., brick and steel, for stock company now being formed. About $150,000.

Ill., Geneva—Hospital—Fox River Valley Community, c/o H. T. Winsor, soon receives bids building 3 story hospital. About $250,000. M. J. Sturn, 115 South Michigan Ave., Chicago, engr.

Ill., Jacksonville — Bank — Elliott Stage Bank having plans prepared by Puckey & Jenkins, archts., 6 North Michigan Ave., Chicago for 2 story, 60 x 145 ft. brick, stone and steel. About $200,000. W. Elliott, pres.

Ill., Rockford — Church — Emanuel Lutheran Congregation plans to build 1 story, brick and stone, steel trusses. About $150,000. J. W. Johnson, pastor. Architect not selected.

Ill., Springfield—Temple—Shrine Scottish Rite Masons plan to build rein.-con., steel, brick and stone. About $900,000. A. E. Baxter, secy. Architect not selected.

Ill., Sterling—Hotel—Local stock company, c/o B. Wilson, 327 a Salle St., Chicago, plans to build 8 story, brick and steel. About $500,000. Architect not selected.

Wis., Beloit—Business—T. D. Woolsey, Goodwin Blk., plans to build 2 and 3 story, 60 x 98 ft.., brick and rein.-con., brick foundation, on North State St. About $150,000. Architect not selected, probably private plans.

Wis., Milwaukee—Hotel—Wisconsin Bond & Mortgage Co., 440 Bway., having plans prepared by H. W. Voelz, archt., 86 Michigan St., for 7 story, 40 x 70 x 115 ft., brick and concrete, rein.-con. flooring, plain foundation, on Juneau Ave. About $200,000.

Wis., Pulaski—Hotel—H. J. Gajewski having plans prepared by Smith & Reynolds, archts., Dempsey Bldg., Manitowoc, for 3-5 story, 140 x 150 ft., rein.-con., steel and brick, brick foundation, on Main St. About $155,000.

Wis., Racine—Hotel—M. George, c/o Hotel George, Wisconsin and 5th Sts., having plans prepared by A. A. Guilbert, archt., Robinson Bldg., for 10 story, 160 x 250 ft., rein.-con., steel and brick, rein.-con. flooring, brick foundation. About $600,000.

Ia., Bloomfield—School—Bd. Educ. plans to build 2 story, rein.-con., brick, stone and steel. About $160,000. R. C. Bristow, secy. Architect not selected.

Ia., Creston — Church — Congregational Church, c/o G. Newcomb, chn., plans to build 1 story, brick, rein.-con. and stone. Architect not selected.

Ia., Dubuque—Coliseum—Coliseum Bldg. Comn., c/o Leitha & Rust, archts., Main and 4th Sts., plans to build 1 story, 100 x 150., rein.-con., brick and steel. About $170,000.

Kan., Emporia—Hotel—C. K. Williams and associates, Emporia, having plans prepared by J. E. Eberson, archt., 64 East Van Buren St., Chicago, for 7 story, brick, steel and concrete, here. About $300,000.

Kan., Lawrence—High School—Bd. Educ. having plans prepared by W. B. Ittner, archt., Bd. Educ. Bldg., St. Louis, Mo., for 3 story. About $500,000.

Kan., Topeka—Bank and Office—Farm Mortgage Co., Crawford Bldg., having plans prepared by W. E. Glover, archt., Stormont Bldg., for 6 story, 28 x 75 ft. brick, stone and steel, on 6th St. and Kansas Ave. About $150,000.

Wyo., Laramie — School — School Dist. opens bids in about 60 days, building 2 story, 100 x 140 ft., on 9th and Custer Sts. About $150,000. W. Dubois, Cheyenne, archt. Noted Aug. 11.

Mo., Cape Girardeau—Bank and Office—Cape Bldg. & Loan Assn. plans to build 3 story, rein.-con., brick and stone. About $150,000. Architect not selected.

Mo., Columbia—University—State Bd. Educ., Jefferson City, plans to build university, here. About $585,000.

Mo., Kirksville — College — State Bd. Educ., Jefferson City, plans to build teachers college, here. About $287,000.

Mo., Marysville — College — State Bd. Educ., Jefferson City, plans to build teachers college, here. About $200,000.

Mo., Rolla—School—State Bd. Educ., Jefferson City, plans to build school of mines and metallurgy, here. About $150,000.

Mo., St. Joseph—Asylum—State Health Comn., Jefferson City, plans to build insane asylum, here. About $280,000.

Mo., Springfield — College — State Bd. Educ., Jefferson City, plans to build teachers college, here. About $250,000.

Mo., Warrensburg—College—State Bd. Educ., Jefferson City, plans to build teachers college, here. About $156,000.

Okla., Poteau—Exchange—Poteau Telephone Co. having plans prepared by J. McLaughlin, engr., Bartlesville, for 2 story, 25 x 80 ft. About $200,000.

Col., Denver—Armories—State Adjutant General rejected bids received Sept. 1, constructing 10 armories, each 2 story, at Sterling, Manzanola, Canon City, Delta, Craig, Ft. Morgan, Fruita, Lamar, Brush, and Brighton. About $300,000. Work will be readvertised. A. Young, c/o Natl. Guard, State House archt. Noted Aug. 18.

BIDS DESIRED

Mass., Athol—Town Hall—Until Sept. 27 by town, building 2 story, 50 x 129 ft. and 70 x 80 ft. About $150,000. Brainerd, Leeds, Kellogg & Thayer, 89 Franklin St., Boston, archts. Noted May 5.

Mass., Wakefield — High School — Until Sept. 27 by town, building 3 story, 85 x 210 ft. with 51 x 150 ft. ell, brick and timber, concrete foundation, on Main St. About $450,000. F. I. Cooper Corp., 33 Cornhill St., Boston, archts. Noted June 3.

R. I., Providence—High School—Until Oct. 11, by Pub. Bldgs. Dept., City Hall, building 3 story, 300 ft. front, with 2 wings, 180 ft. deep, concrete, rein.-con. flooring, plain foundation. About $1,250,000. W. E. Hartwell, City Hall, engr. Hoppin & Field, 32 Westminster St., archt. Noted Sept. 8.

O., Portsmouth—Schools—Until Sept. 30, by W. Hazelbeck, clk. Bd. Educ., building 3 story, 6 room addition to High School, including gymnasium and auditorium, also 2 story, 8 room addition to Lincoln School, brick and concrete. About $150,000 and $125,000 respectively. Pretzinger & Musselman, 1155 Reibold Bldg., Dayton, archts.

O., Uhrichsville—School—Until Sept. 26, by Bd. Educ. building 2 story, 72 x 212 ft., brick, steel and concrete, rein.-con. flooring, plain foundation. About $275,000. J. E. Lewis, 116 Court St., New Philadelphia, archt. Noted May 26.

Mich., Detroit—Office and Transportation —Until Sept. 24, by Bd. Street Ry. Comn., building 3 story, 60 x 218 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on St. Jean Ave. W. C. Markham, Marquette Bldg., engr.

Mich., Detroit—School—Until Sept. 26, by Bd. Educ., building two 2 story, 62 x 133 ft. rein.-con., brick and steel additions, rein.-con. flooring, concrete foundation, on Hindle and Lynn Aves. About $150,000. Malcomson, Higginbotham & Palmer, 405 Moffat Bldg., archts.

Ill., Chicago—Apartment—P. F. Olsen, archt., 127 North Dearborn St., receiving bids building 3 story, 200 x 217 ft. rein.-con., brick and stone, rein.-con. flooring, on Lake Terrace, for A. Willie, 1200 Sherwin Ave. About $700,000. Noted May 19.

Ill., Chicago—Church—H. K. Holsmon, archt., 310 South Wabash Ave., receiving bids building 3 story, 125 x 125 ft., brick, granite and terra cotta, on Sunnyside and Paulina Sts., for 14th Church of Christ Scientist, c/o architect. About $200,000.

Ill., Chicago—Home—C. D. Faulkner, archt., 140 South Dearborn St., receiving bids building 3 story, 90 x 96 ft., brick, on 113th St. and South Western Ave., for Oak Haven Old Peoples' Home, c/o H. A. White, pres., 140 South Dearborn St. About $200,000. Noted Sept. 1.

Ill., Chicago — Home and Auditorium — Dubin & Eisenberg, archts., 14 West Washington St., receiving bids building superstructure, 3 story, 96 x 278 ft., rein.-con., brick and stone, rein.-con. flooring, North California and Hirsch Aves., for Daughters of Zion Infants' Home and Day Nursery, c/o architects. About $300,000. Noted Sept. 1.

Ill., Chicago—Store and Office—Holabird & Roche, archts., 104 South Michigan Ave., receiving bids building 3 story, 85 x 105 ft. brick, concrete and terra cotta, on Michigan Ave. and Oak St., for Potter Palmer Estate, c/o architects. About $200,000.

Ill., Chicago—Synagogue—D. S. Klafter, archt., 64 West Randolph St., receiving bids building 2 story, 50 x 100 ft., steel, brick, concrete and terra cotta, on Hoyne and Evergreen Sts., for Dorsche Tove Congregation, c/o architect. About $150,000. Noted June 16.

Ill., Chicago — Temple — C. Hatzfield, archt., 7 South Dearborn St., receiving bids building 6 story, 105 x 120 ft ft., rein.-con., brick, and terra cotta, rein.-con. flooring, on 64th and Green Sts., for South Side Masonic Temple Assn., 624 West 71st St. About $175,000. Noted April. 21.

Ill., Chicago — Temple — C. Hatzfield, archt., 7 South Dearborn St., receiving bids building 3 story, 91 x 112 ft., brick, concrete and terra cotta, on Addison and Peta Sts., for Wrights Grove Lodge 7, c/o H. Reinach, 1442 Belmont Ave. About $300,000.

Ill., Danville—Armory—Until Sept. 27, (change of date) by E. D. Martin, state archt., 304 South Wabash Ave., Chicago, building 2 story, 160 x 168 ft., rein.-con. and brick, for State, c/o architect. About $200,000. Noted Sept. 1.

Ill., Evanston — Church — Talmadge & Watson, archts., 189 West Madison St., Chicago, receiving bids building 1 story, rein.-con. and brick addition, on Hinman and Chicago Aves., for Hemenway Methodist Episcopal Church, Hinman and Church Sts. About $150,000. Noted Dec. 23.

Ill., Harrisburg—School—Until Oct. 10, by Bd. Educ., c/o G. Davenport, building 2 story, 140 x 140 ft., steel, concrete and brick, rein.-con. flooring, concrete foundation. About $300,000. A. L. Barnes, 1329 Birchwood Ave., Chicago, archt. Noted July 14.

Wis., Milwaukee—Theater and Business—Until Oct. 1, by Dick & Bauer, archts., 811 State St., building 2 story, 85 x 200 ft., rein.-con. and brick, rein.-con. flooring plain foundation, on Teutonia Ave., for Teutonia Ave. Realty Co., 1110 Teutonia Ave. About $200,000. Noted Aug. 25.

Kan., Leavenworth—Hospital—Until Oct. 1, by Natl. Soldiers Home, c/o W. S. Albright, constructing 2 story, brick and rein.-con. About $1,000,000. W. P. Feth, 405 Delaware St., archt. Noted Aug. 25.

Kan., Rosedale—Hospital—Until Oct. 1, by State Medical School and Hospital, c/o J. A. Kimball, Topeka, constructing 3 story, 64 x 164 ft. About $400,000. R. L. Gamble, 1415 Fillmore St., Topeka, arhct. Noted April 21.

Kan., Wichita — Bank and Office—Until Sept. 29, by K. M. Metzthum & Co., archts., 21 East Van Buren St., Chicago, constructing 6 story, 50 x 140 ft., brick, rein.-con. and Bedford stone, for 4th Natl. Bank, 329 Beacon Bldg. D. F. Callahan, pres. About $200,000. Noted June 9.

Mo., St. Louis—High School—Until Sept. 27, by H. P. Hess, archt., 4811 Cote Brilliante St., building 3 story, 80 x 178 ft., rein.-con., brick and stone, on Newstead and Lindell Sts., for Rosati Kain Catholic High School, c/o A. Cain, 4368 Lindell St. About $300,000. Noted July 28.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Kennebunk**—High School — School Comrs. let contract building 2 story, 65 x

Buildings (Continued)

100 ft., stone, brick and concrete, plain foundation, on Main St., to D. Knowlton, 54 Canal St., Boston. About $150,000. Noted July 28.

★Me., Lewiston—Church—United Baptist Church let contract building 1 story, stone, brick and steel, plain foundation, on Main and Bates Sts., to T. F. Moreau & Co., 468 Lisbon St. About $150,000. Noted Aug. 11.

★Mass., Boston — Schoolhouse — City let contract building 2 story, 79 x 141 ft. brick, in Samuel Adams Dist., to Leighton, Mitchell Co., 99 Chauncy St., $185,924.

★Mass., Newton (Boston P. O.)—Theater—Newton Theater Co., 415 Center St., let contract building 2 story, 70 x 153 ft., concrete and steel, rein.-con. flooring, concrete foundation, on Washington and Beacon Sts., here, to T. L. Goodwin, Newton Highlands. About $150,000.

★N. Y., Brooklyn—Bath — E. Riegelmann, boro pres., Bor Hall, let contract building bath, on Metropolitan and Bedford Aves., to Nugent Constr. Co., 505-5th Ave., New York City, $167,875. Noted Sept. 15.

★N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York City, let contract altering and building additions to P. S. 136, on 4th Ave. between 40th and 41st Sts., here, to Frymier & Hanna, 25 West 45th St., New York City, $419,300. Noted Sept. 8.

N. Y., Buffalo—Schools—Bd. Educ. received bids building (1) School 7, on Newberg St. and Lang Ave., (2) School 9, on Sherman, Stanton and Lovejoy Sts., (3) School 11, on Bailey Ave., Regent and Moreland Sts., (4) School 12, on Lorraine Ave. near Abbott Rd., (5) School 2, on Hertel Ave. and Shoshone St., (6) School 6, on Northampton and Fougeron Sts., (7) School 8, on Elmwood Ave. and Tracy St., (a) general construction, (b) plumbing, (c) heating and ventilating, from J. W. Cowper Co., Fidelity Bldg., (1a) $700,860, (2a) $699,090, (3a) $706,580, (4a) $694,650, 6a) $669,450; W. W. Wade, Ashland Ave., (5a) $715,400; C. H. Everitt, Auburn Ave., (7a) $712,804; Power Efficiency Co., White Bldg., (1b) $37,000, (2b) $37,000, (3b) $37,000, (4b) $37,000, (5b) $37,600, (6b) $37,600; (7b) $37,600; Sodeman Heat & Power Co., 2306 Morgan St., St. Louis, Mo., (1c) $134,787, (2c) 134,787, (3c) 134,787, (4c) $134,787, (5c) $136,137, (6c) $136,137, (7c) $136,137. Noted April 28 and July 7.

★N. J., Montclair — Church — Central Presbyterian Church, c/o Carrere & Hastings, archts. and engrs., 52 Vanderbilt Ave., New York City, let contract building brick, steel and stone, on Park St. and Claremont Ave., here, to J. Lowry, 171 Madison Ave., New York City. About $250,000. Noted Nov. 18.

★Pa., Johnstown—Theater and Hall—Farkas Bros., Fairfield Ave., let contract building 2 story, 44 x 123 ft. concrete, brick and steel, rein.-con. flooring, on Fairfield Ave., to J. Felix, Johnstown. About $150,000. Noted Aug. 18.

★Pa., McKeesport—Dormitory, Nurses Home, etc.—McKeesport Hospital let contract building 3 and 4 story, 37 x 168 ft. dormitory, 43 x 54 ft. nurses home 46 x 52 ft. power house, concrete, brick and steel, rein.-con. flooring, on 5th Ave., to E. H. Cannon, Rubin Bldg. About $250,000. Noted Sept. 1.

★Pa., Meadville—High School—Bd. Educ. let contract building, 2 story, 207 x 250 ft. rein.-con., brick and steel, rein.-con. flooring, concrete and brick foundation, to Natl. Concrete Fireproofing Co., Citizens Bldg., Cleveland, O. About $233,000.

★Pa., Phila.—Apartment—D. Crawford, Jr., 701 North 63rd St., will build 4 story, 48 x 156 ft., brick and stone, at 6150-6152 Oxford St. About $150,000. Work will be done by day labor. J. Fernald, 5533 Wyalusing St., archt.

★Pa., Phila. — Hospital — Chestnut Hill Hospital, c/o J. W. Harris, Franklin Bank Bldg., let contract building 3 story, 58 x 140 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Germantown Ave., to F. G. Stewart, 1019 Sansom St. About $191,000.

★Pa., Pittsburgh—Exchange—Bell Telephone Co., 416 7th Ave., let contract building 20 story, steel, rein.-con. flooring, on 7th Ave., to W. F. Trimble & Sons Co., 1719 Pennsylvania Ave. About $1,900,000.

★Pa., Pittsburgh—Exchange—Bell Telephone Co., 17th and Arch Sts., Phila., to let contract building 4 story, 60 x 100 ft. on Sandusky St., to A. E. S. Wilson Co., 541-3rd Ave.

Pa., Pittsburgh—High School—Bd. Educ. receives bids building Westinghouse High School, 3 story, rein.-con., brick and steel, rein.-con. flooring, from Standard Constr. Co., Pittsburgh, $684,750; Drummond-Miller Co., 4500 Euclid Ave., Cleveland, O., $709,400. Noted Aug. 25.

Pa., Pittsburgh—School—Bd. Educ. received bids building 2 story, rein.-con., brick and steel, rein.-con. flooring, on Perrysville Ave., from Williams & Hass, Empire Bldg., $418,269; A. & S. Wilson Co., 541-3rd Ave., $431,000; Ross & Fisher, Pittsburgh, $462,853. Noted Aug. 25.

Pa., Pittsburgh—School—Bd. Educ. received bids building 2 story, rein.-con. brick and steel, rein.-con. flooring, on Greenfield Ave., from A. & S. Wilson Co., 541-3rd Ave., $499,000; Cuthbert Bros. Co., Bessemer Bldg., $522,800. Noted Aug. 25.

★Pa., Pittsburgh—Store—J. Horne Co., Manufacturers Bldg., let contract building 7 story, 120 x 250 ft. rein.-con., brick and steel, concrete foundation, on Stanwix and Duquesne Way, to Mellon-Stuart Co., Oliver Bldg. Noted Aug. 11.

★Md., Salisbury—Peninsula General Hospital, Locust and South Division Sts., let contract building 3 story, brick, to North Eastern Constr. Co., 702 Lexington Bldg., Baltimore. About $150,000. Noted June 30.

Miss., Magee—Infirmary, etc.—State, c/o T. C. Link, Dir. Pub. Wks., P. O. Box 636, Jackson, let contract constructing nurses' home, white infirmary, service building, recreation building, power house and laundry building, at sanitorium here, to Smith Co., Industrial Bldg., Birmingham, Ala., $544,030. Bids for negro infirmary to be re-advertised. Noted Aug. 18.

★O., Akron—Auditorium and Gymnasium—Bd. Educ. let general contract building 2 story, 18 room, 70 x 166 ft. and 70 x 120 ft., brick and steel, rein.-con. flooring, on Dayton St., to Carmichael Constr. Co., Main St. About $189,000. Noted Sept. 1.

★O., Alliance—Commercial and Club—F. O. E. 224 let contract building 3 story, 46 x 110 ft., brick, steel and concrete, plain foundation, to A. F. Wendling Co., Massillon. About $175,000. Noted Aug. 18.

★O., Cleveland—Schools—Bd. Educ., East 6th St. and Rockwell Ave., let general contract building John Adams School, 3 story, to Fenbusch-Parker Constr. Co., Union Bldg., $781,617; 2 story, 35 x 217 ft. addition on East 75th St. and Rawlings Ave., brick, steel and concrete, rein.-con. flooring, plain foundation, to H. F. Juergens Co., 1530 Clarence Ave., Lakewood. Noted Sept. 8.

★O., Dayton—School—Bd. Educ. let contract building 3 story, rein.-con. and brick, rein.-con. flooring, on Home Ave., to Drummond-Miller Co., 4500 Euclid Ave., Cleveland, $343,500. Noted May 5.

★O., Elyria—Schools—Bd. Educ. let contract building 2 story, 85 x 190 ft., on Westview Ave., also East Technical High School, 2 story, brick, steel and concrete, rein.-con. flooring, plain foundations, to L. A. Burgett Co., Lorain. About $225,000 and $165,000 respectively. Noted Aug. 18.

★O., Marion—Hotel—Harding Hotel Co. let contract building 156 room, rein.-con. and brick rein.-con. flooring, concrete foundation, to W. E. and A. F. Becher, Lindsey Bldg., Dayton. About $550,000. Noted Sept. 15.

O., Ravenna—School—Bd. Educ. opened bids Sept. 7, building 3 story, brick, steel and concrete, rein.-con. flooring, brick and concrete foundation, from Watts-Suhribier Co., 1235 Miami St., Toledo, $380,000; R. H. Evans Co., Columbus Savings & Trust Bldg., $386,000; D. W. McGrath, New 1st Natl. Bank Bldg., $389,000. Noted Aug. 26.

Mich., Detroit — Police Station and Armory—Police Dept. received bids building 9 story, 117 x 172 ft. police station and 3 story, 99 x 168 ft. armory, rein.-con., brick, stone and steel, rein.-con. flooring, concrete foundation, on St. Antoine St., from O. Misch Co., 36 State St., $784,300; Bryant & Detwiler, 2336 Dime Bank Bldg., $827,843; A. A. Albrecht Co., 1130 Penobscot Bldg., $829,989. Noted Sept. 1.

★Ill., Chicago—Hospital—J. B. Murphy Memorial Hospital, c/o Glaver & Dinkelberg, archts., 400 North Michigan Ave., let contract building 4 story, 158 x 190 ft. brick and concrete, on Belmont Ave. and Bway., to J. W. Snyder & Co., 122 South Michigan Ave. About $700,000.

★Ill., Chicago—Hotel—A. Goldberg, c/o Minchin, Spitz & Co., archts., 19 West Jackson Blvd., let contract building 4 story, 100 x 125 ft., brick, concrete and terra cotta, on Stony Island Ave. and 67th Pl., to Chicago Constr. Co., 11 South La Salle St. About $200,000. Noted Sept. 1.

★Ill., Chicago—Theater and Store—A. Flower, c/o Roosevelt State Bank, 35th St. and Grand Blvd., let contract building 3 story, 100 x 205 ft., steel, brick and terra cotta, to E. M. Bertha, 11 South La Salle St., Chicago. About $400,000. Noted July 14.

★Ill., Oak Park—Hospital—West Suburban Hospital, 300 Clinton Ave., let contract bulding 5 story, 50 x 100 ft., rein.-con. and brick addition, at 506 North Austin Ave., to Strandberg Bros., 19 South La Salle St., Chicago. About $150,000. Noted Aug. 25.

★Ill., Tuscola—High School—Bd. Educ. let contract building 2 story, 70 x 225 ft., brick, rein.-con. and steel, to J. P. Moorehead, Tuscola. About $225,000. Noted Sept. 1.

★Ia., Waterloo — Church — First Baptist Church let contract building 2 story, 94 x 114 ft., rein.-con., brick and stone, to J. G. Miller, 502 Black Hawk Bank Bldg. About $150,000.

★Neb., Chadron—High School—Bd. Educ. c/o F. B. Uthank, secy., let contract building 2 story, 80 x 160 ft., rein-con., stone, brick and steel, to I. E. Mulhollen, Chadron. About $300,000. Noted April 14.

★S. D., Mitchell—Hospital—St. Joseph's Hospital Bldg. Comn. let general contract building 3 story, 66 x 155 ft., rein.-con., brick, tile and stone, to W. D. Lovell, 1415 8th St., S. E., Minneapolis, Minn. About $170,000. Noted Aug. 4.

★Mo., Kansas City—School—Bd. Educ., c/o J. B. Jackson, secy., Library Bldg., let contract building S. B. Ladd School, 2 story, 79 x 108 ft. and 54 x 93 ft., rein.-con., brick and stone, on 37th and Benton Sts., to Patti-Moore Constr. Co., Okmulgee, Okla. About $175,000.

★Mo., St. Louis—School—Bd. Educ., Bd. Educ. Bldg., let contract building Woodward School, 2 story, 94 x 257 ft. rein.-con., brick, stone and steel, on Kingshighway and Alabama St., to E. C. Gerhard, Post-Dispatch Bldg., $254,900. Noted Sept. 8.

★Mo., St. Louis—Temple—Scottish Rite Cathedral Assn., La. Salle Bldg., let contract building 4 story, 125 x 230 ft., brick and stone, rein.-con. flooring, on Grand and Lindell Sts., to J. Hill Constr. Co., Syndicate Trust Bldg. About $1,000,000; cost plus percentage basis. Noted April 7.

★Tex., Dallas—Store—A. C. Rick, 1315½ Elm St., and associates, let contract constructing 2 story 175 x 310 ft. brick, on Elm and Harwood Sts., to C. Halper, Dallas. About $160,000.

Federal Government Work

PROPOSED WORK

D. C., Bellvue—Chimney—Spec. 4483—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids, constructing, here. Noted Aug. 4.

Va., Yorktown—Water Supply System—Spec. 4514—Bureau Yards & Docks, Navy Dept., Wash., D. C., plan water supply system, Naval Fuel Depot, here.

Ill., Chicago—Radio Station—Spec. 4515—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build on Municipal Pier, here.

Col., Fort Lyon—Steam Distribution System—Spec. 4520—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install, here.

H. T. Pearl Harbor—Superstructure—Spec. 4518—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build superstructure for machine shops, here.

BIDS DESIRED

N. Y., Tompkinsville — Riprap — Until Sept. 26, by Supt. Lighthouses, furnishing 10,260 long ton riprap stone, 200 lb. to 5 ton, delivered at tidewater accessible to Government scows, New York Harbor or vicinity.

Fla., Jacksonville—Revetment—Until Oct. 15, by U. S. Engineer, constructing at St.

Federal Government Work (Continued)

Johns Bluff, St. John River, here; advertised in this issue.

La., Alexandria — Tank and Tower — Until Sept. 29, by Treas. Dept., constructing steel water tank and tower, at U. S. Public Health Service Hospital 27, here. J. A. Wetmore, acting superv. archt.

Tenn., Memphis—Plumbing System—Until Oct. 10, by Dist. Engineer, Mississippi River Dredging Dist., P. O. Box 1017, installing plumbing system in warehouse, U. S. Dredge Depot, here; advertised in this issue.

O., Dayton—Hospital—Until Oct. 1, at Office Bd. Mgrs. Natl. Home for Disabled Volunteer Soldiers, constructing 3 story, brick, and rein.-con., rein.-con. flooring, concrete foundation, at Military Home, here. N. E. Schenck, Dayton, archt.

Ind., Marion—Hospital—Until Oct. 1, at Office Bd. Mgrs. Natl. Home for Disabled Volunteer Soldiers, Dayton, O., constructing here. N. E. Schenck, Dayton, archt. Noted Sept. 8.

Wis., Milwaukee—Hospital—Until Oct. 1, at Office Bd. Mgrs. Natl. Home for Disabled Volunteer Soldiers, Dayton, O., constructing here. Scott & Meyer, 445 Milwaukee St., archts. Noted Aug. 18.

Kan., Leavenworth—Hospital—Until Oct. 1, at Office Bd. Mgrs., Natl. Home for Disabled Volunteer Soldiers, Dayton, O., constructing, here. W. P. Feth, 405 Delaware St., archt. Noted Sept. 8.

Wash., Port Townsend—Lighting Plant, etc—Until Oct. 12, by Treas. Dept., Wash., D. C., installing lighting plant, wiring, etc. at U. S. Quarantine Station, here J. A. Wetmore, acting superv. archt.

Ore., Chemawa—Power House, etc.—Until Oct. 5, at Office Comr. Indian Affairs, Interior Dept., Wash., D. C., constructing brick power house and improving heating plant, at Salem Indian School, here. C. H. Burke, comr.

Cal., Stockton — Sewage Ejector — Until Sept. 29, by Treas. Dept., Wash., D. C., installing, here. J. A. Wetmore, acting superv. archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Ill., Belleville—Airship Hangar, etc.—Chief Construction Service, Room 2242, Munitions Bldg., Wash., D. C. received bids constructing airship hangar, including boiler house, gas holder, roads, etc., at Scott Field, here, (1) work complete, from Sutherland Building & Contg. Co., Syndicate Trust Bldg., St. Louis, Mo., (1) $1,093,160 (2) $20,450 (3) $3,000 (4) $96,200 (5) $10.81 (6) b $3,258 c $3,343 (7) a $378 b $331-$416 (8) $1.60 (9) $5.50 (10) $125 (300 days) Alternate-roof-skylights, wire screens, etc., of certain make, deduct $41,800, deduct $18,900 for omission of one bay; Sumner-Sollett Co., 79 East Adams St., Chicago, (1) $1,150,000 (2) $20,000 (3) $4,400 (4) $100,000 (5) $25 (8) $3. (10) $1,000 (300 days); Stang & Mitchell, Real Estate Trust Bldg., Phila., (1) $1,160,000 (2) $20,000 (3) $2,800 (4) $108,472 (5) $13.10 for additions, $10.50 for deductions (6) $375, $971, $1,053 (7) $417, $2,200, $2,278 (8) $1.75 (9) $4.10 (10) $2,000. Noted Aug. 18.

Ill., Chicago—Deep Wells—Treas. Dept., Wash., D. C., received bids constructing 2 deep wells at Broadview U. S. Public Health Service Hospital, here, from F. M. Gray, Jr., Inc., 105 Wells St., Milwaukee, Wis., $37,000; J. P. Miller Artesian Well Co., 428 Orleans St., $46,300; W. H. Cater, 2643 West Monroe St., $49,850. Noted Aug. 25.

D. C., Wash.—Heating System—Spec. 4510—Bureau Yards & Docks, Navy Dept., received bids altering and building additions to steam distributing system, here, (1) work complete, from Carroll Electric Co., 714-12th St., N.W., (1) $28,600 (2) $2,550 (3) $120 (4) $187; W. G. Cornell Co., 723-13th St., NW., (1) $31,452 (2) $1,100 (3) $76 (4) $190, Federal Heating Co., 310-13th St., NW., (1) .$34,575 (2) $2,009 (3) $150 (4) $190. Noted Sept. 8.

★Va., Norfolk—Heating System, etc.—Spec. 4512—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract altering and building additions to underground heating and drainage systems, here, to H. E. Crook Co., 28 Light St., Baltimore, M., $22,750 (90 days). Noted Sept. 15.

★S. C., Charleston—Sprinkler System—Spec. 4490—Bureau Yards & Docks, Wash., D. C., let contract for complete wet-pipe systems, automatic sprinklers, in Buildings 5, 7, 10, 13 and 1023, Navy Yard, here, to Globe Automatic Sprinkler Co., 2035 Washington St., Phila., $18,255. Noted Sept. 8.

★Mich., Detroit—Dredging—U. S. Engineer, 337 Federal Bldg., let contract dredging in St. Clair Flats, Canal channels, involving 51,000 cu.yd. sand, silt and clay, with possible over-depth of 61,000 cu.yd., to Greiling Bros. Co., 906 McDonald St., Green Bay, Wis., $11,628. Noted Sept. 15.

N. M., Fort Bayard—Reroofing—Treas. Dept., Wash., D. C., received bids reroofing U. S. Public Health Service Hospital, here, from Johns-Manville Co., 41st St. and Madison Ave., New York City, $25,425; Newport Contg. and Eng. Co., Silsby Bldg., Newport News, Va., $25,650; W. J. Corbett Hardware Co., Truscon, $25,933.

★Cal., Los Angeles—Dredging—U. S. Engineer, 725 Central Bldg., let contract dredging harbor, on east side entrance of channel, to San Francisco Bridge Co., Nevada Bank Bldg., San Francisco. About $140,000. Noted Sept. 8.

★Cal., Mare Island—Riprapping Dike—Spec. 4390—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract riprapping Dike 12, Navy Yard, here, to Union Constr. Co., 604 Mission St., San Francisco, at $0.74 per cu.yd. (250 days). Noted Sept. 15.

★Cal., San Diego—Quay Wall Extension—Spec. 4484—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract extending at Naval base, here, to Ross Constr. Co., 935 Forum Bldg., Sacramento, $129,563 (150 days). Noted Sept. 15.

FEDERAL POWER COMMISSION

Application for Licenses and Permits

Applications

240—Stene Consolidated Copper Co., Phoenix, Ariz.—Wants to build dam and reservoir, Bill Williams River, about 30 mi. from mouth, in Mohave and Yuma Counties, Ariz. Project includes 35 mi. power canal and a power house near Planet.

241 — Freshwater Bay Lumber Co., Douglas, Alaska — Wants license for low diversion dam, flume and waterwheel, Pavloff Harbor, Chichagof Island, Alaska.

242 — Minneapolis, Minn. — City wants permit for power development at U. S. Lock and Dam 1, St. Paul, Mississippi River.

243—F. C. Dougherty, Palace Hotel, San Francisco, Cal.—Wants permit to develop power on Karta River, Karta Bay, Prince Wales Island, Alaska. Project includes development of storage in Salmon and Little Salmon Lakes.

244—F. C. Dougherty, Palace Hotel, San Francisco, Cal.—Wants permit to develop power Green Lake outlet, Silver Bay; on Baranof Lake outlet, Warm Spring Bay; on Second Lake outlet, Cascade Bay, Baranof Island, Alaska. Project involves development of storage in above lakes.

Miscellaneous

PROPOSED WORK

Tanks — Bayonne, N. J. — Standard Oil Co., Constable Hook, had plans prepared for 3 new steel tanks. About $150,000. J. J. Mulhall, c/o Standard Oil Co., engr.

Parks, etc.—Winston-Salem, N. C.—City election Oct. 25, to vote on $100,000 bonds to build parks and playgrounds. J. G. Haynes, mayer.

Street Lighting System—Neenah, Wis.—City plans to install ornamental street lighting system on Wisconsin Ave. and Commercial St., involving 108 single light, ornamental standard, 2 circuit system. About $25,000. H. Zemloch, clk. Private plans.

Gravel Loaders, Slow Speed Trailers, etc. —St. Paul, Minn.—Ramsey Co. plans to purchase 2 gravel loaders, about $4,500, 6 slow speed trailers, $5,400, 1,000-gal. oil distributor mounted on truck, $9,200, oil storage tanks including boiler, pump and installation, $10,500, 350,000 gal. road oil, $28,000. G. Ries, aud. R. R. Godfrey, Court House, engr.

Electric Light and Power System—Merlin, Ont.—City plans to build electric light and power system. About $15,000. E. D. Lawler, 190 University Ave., Toronto, engr.

Electric Light and Power System — Wilkesport, Ont. — Sombra Twp. plans to build electric light and power system. About $50,000. E. D. Lawler, 190 University Ave., Toronto, engr.

BIDS DESIRED

Asphalt Road Oil, etc.—Brooklyn, N. Y.—Until Sept. 30, by Bd. Purch., Municipal Bldg., New York City, furnishing and delivering asphalt road oil, K. P. tar, broken stone and screenings, to Dept. Parks, here. G. A. Whalen, comr. Plant & Structures, chn.

Memorial Park—Brooklyn, N. Y.—Until Sept. 29, by Park Bd. at office Dept. Parks, Municipal Bldg., New York City, building Fidelity Memorial Park, at Monitor St., Engert and Meeker Aves., here. F. D. Gallatin, pres.

Motor Driven Trucks—New York, N. Y.—Until Sept. 30, by Bd. Purch., Municipal Bldg., furnishing and delivering motor driven trucks to Dept. Plant & Structures. G. A. Whalen, comr. Plant & Structures, chn.

Gravel—Leesville, La.—Until Oct. 3, by Police Jury of Vernon Parish, furnishing 12,600 cu.yd. wash gravel, 25,000 cu.yd. clay gravel, not less than 40% stone, 37,600 cu.yd. sand clay, not less than 50% stone. E. E. Jordan, secy.

Eyebolts—Milwaukee, Wis.—Until Sept. 28, by Central Bd. Purchases furnishing eyebolts with washers, one thousand six hundred and fifty 1¾ x 24½ in. long. About $1,500.

Fiber Paving Bricks—St. Paul, Minn.—Until Sept. 26, by H. W. Austin, city purch agt., furnishing 60,000 fiber paving bric for repairing Wabasha St. Bridge. O Claussen, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Dock Wall—Buffalo, N. Y.—Pub. Wks. Comn., Municipal Bldg., opened bids Aug. 22, constructing (1) concrete dock wall in Buffalo Harbor, (a) Sect. 1, (b) Sect. 2, improving (2) channel and constructing dock wall in Buffalo River, west of Ohio St. Bridge, from G. Parks & Son, Rhode Island St., (1a) $39,799; Amer. Constr. Co., Marion Bldg., Cleveland, O., (1a) $47,373, (2) $122,500; Chesley & Heimbach, Breckenridge St., (1a) $50,000; Great Lakes Dredge & Dock Co., Morgan Bldg., (1b) $150,300; Empire Eng. Co., Inc., North Tonawanda, (1b) $155,700, (2) $114,900; Dunbar & Sullivan Dredging Co., 2211 Dime Bank Bldg., Detroit, Mich., (1b) $201,000, (2) $141,000. Noted Aug. 11.

Inorganic Dust—New York, N. Y.—H. H. Curran, pres. Manhattan Boro, Municipal Bldg., opened bids Sept. 16, furnishing and delivering 1,500 ton inorganic dust, from E. Myer & Co., 25 Church St., $7.83 per ton, total cost $11,745; New York Trap Rock Corp., 101 Park Ave., $9.34, $14,025; Soper Whiteman & Co., $9.45, $14,175. Noted Sept. 8.

★Heating Plant — Cleveland, O. — Bd. Educ., East 6th St. and Rockwell Ave., let contract building heating plant for John Adams School, to Industrial Heating & Eng. Co., 1063 Windsor St., Akron, $140,421.

★Fire Hydrants — Detroit, Mich. — Fire Comrs. let contracts furnishing 500 six in. double nozzle standard fire hydrants, to Flower Valve Mfg. Co., Clayton and Parkinson Aves., $59.88 each, $29,940; 42 ton special castings, to Almont Mfg. Co., Almont, $4,412. Noted Sept. 1.

★Foundation—Milwaukee, Wis.—Branta & Rechlicz, 721 Lincoln Ave., let contract constructing plain foundation for 3 story, 60 x 120 ft. rein.-con., and brick mercantile building, rein.-con. flooring, on Lincoln Ave., to Ryback & Sadowski, 1092 2d Ave. Total cost about $150,000.

★Street Cleaning Machine — West Allis, Wis.—City let contract furnishing street cleaning machine, to Elgin Sales Corp., Elgin, Ill., $7,250. Noted July 28.

★Portland Cement, etc—St. Paul, Minn.—City let contract furnishing 3,200 bbl. Portland cement, to Gopher Lime & Cement Co., Griggs and Fuller Sts., $2.41 per bbl. f.o.b. St. Paul. Noted Aug. 11.

OFFICIAL PROPOSALS

Bids: Oct. 4.

Sewage Pumping Station

Toledo, Ohio.

Sealed proposals will be received by the Director of Public Service of the City of Toledo, Ohio, until 12 o'clock noon, Central Standard Time, October 4, 1921, for the construction of a Sewage Pumping Station and appurtenances. The work is divided into three (3) contracts, as follows:

CONTRACT 4-II.

SPERSTRUCTURES

The superstructures of the Pumping Station and skimming tank are of brick with stone trimmings and tile and tar gravel roof. The main portion of the Pumping Station is thirty-one feet (31 ft.) high and wings are twenty-three feet (23 ft.) high. Skimming tank is 20 ft. x 30 ft. x 20 ft. Heating, plumbing and electric lighting are included.

CONTRACT 4-III.

EQUIPMENT

This contract includes five (5) Centrifugal pumps with 300 hp. and 200 hp. motors, vacuum pumps, piping, valves, meters and gages for the pumps, electric crane, sewage screens and hoists, switchboard and electrical equipment.

CONTRACT 4-IV.

OUTFALL SEWER.

This contract comprises sixty inch (60 in.) submerged reinforced concrete pipes, reducing in diameter to eighteen inches (18 in.), laid in a dredged trench. The pipes have a total length of somewhat over eleven hundred feet (1,100 ft.).

NOTE—Contract 4-I which comprises substructures connecting and discharging sewers is now under construction.

Bids may be made upon any or all contracts. Copies of plans, specifications, etc., may be obtained from the office of the Director of Public Service, 225 Valentine Building, Toledo, Ohio, and from Fuller & McClintock, Engineers, 170 Broadway, New York City, upon payment of twenty dollars ($20), which will be refunded if plans and specifications are returned in good order within thirty (30) days after bids are received.

Detailed information regarding bid bond, contract bond, etc., is contained in the book of specifications. All bids must be submitted upon printed forms provided for that purpose and must be in accordance with the requirements of the City of Toledo, as set forth in the contract and specifications covering this work.

The Director of Public Service reserves the right to reject any and all bids, are to accept any bid which he may deem advantageous to the City of Toledo.

By direction of

C. A. BENEDICT,
Director of Public Service.

ATTEST:
GEORGE E. LASKA, Secretary.

Bids: Sept. 26.

Water Main Extension

Aurora, Ill.

Sealed proposals for laying a connected system of cast iron water supply lines with valves and fire hydrants in Water District Number One in the City of Aurora, Ill., will be received until 1 o'clock p.m., Central Standard Time, on Monday, Sept. 26, 1921, in accordance with the official advertisement.

The work comprises approximately:
12,500 lineal feet of 6-inch "Class C" cast iron water pipe,
16 fire hydrants,
30 double gate valves.

Each proposal must be accompanied by cash or a certified check in amount not less than 10 per cent of the aggregate amount of the proposal.

Specifications and proposal blanks will be furnished at the office of the City Engineer, in the City Hall Building, Aurora, Ill.

The right is reserved to reject any or all bids.

W. E. DEUCHLER, City Engineer.

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.

Official Proposals reaching our office in first mail Tuesday morning (10 o'clock) can usually be published in the issue out the following Thursday. Special price for Official Proposals, 40 cents a line.

Bids: Oct. 12.

Dredging

Baton Rouge, La.

Sealed bids will be received by the Board of Commissioners of the Bayou Fountain Drainage District of the Parish of East Baton Rouge, Louisiana, at the office of the Police Jury of said Parish corner St. Ferdinand Street and Louisiana Avenue, at 12 o'clock noon, Wednesday the 12th day of October, 1921, for dredging Bayou Fountain and its tributaries, including lateral ditches; total quantities approximately 280,000 cubic yards, as per plans and specifications on file in the office of L. Q. Huey, engineer in charge, Louisiana Avenue and St. Ferdinand Street, city of Baton Rouge.

A certified check for $3,000 must accompany each bid as an evidence of good faith.

The Board of Commissioners reserve the right to reject any or all bids.

L. Q. HUEY, Engineer in Charge.

Bids: October 5.

Bituminous Concrete Road

Providence, R. I.

Sealed proposals for building 4¼ miles of bituminous concrete road from North Scituate to Rockland in the Town of Scituate, R. I., about 12 miles west of the City of Providence, will be received at the office of the Water Supply Board, City Hall, Providence, R. I., until 2:30 p. m. Eastern Standard time, on Wednesday, October 5, at which time and place they will be publicly opened and read.

The work will include grading, culverts, a concrete bridge of three 15-foot spans, a 2-inch bituminous concrete surfacing, guard rails, and other necessary appurtenances. The principal estimated quantities are:

Earth excavation and borrow	87,000 cu.yds.
Rock excavation	15,000 " "
Concrete	1,600 " "
Stone foundation	10,000 " "
Gravel foundation	5,000 " "
Crushed stone base	16,000 tons
Bituminous surfacing	51,000 sq.yds.
Asphalt cement	450 tons
Wooden guard rails	21,000 lin.ft.

Pamphlets containing plans, information for bidders, form of proposal, contract and bond and specifications, may be obtained from the Secretary of the Board, City Hall, or from the Chief Engineer, 661 West minster Street, Providence, R. I.

B. THOMAS POTTER, Chairman,
City of Providence, Water Supply Board,
S. N. GRAMMONT, Secretary.
FRANK E. WINSOR, Chief Engineer.

Bids: Oct. 7.

Water-Works Improvements

Collinsville, Ill.

Proposals will be received by the City Council of the City of Collinsville, Ill., at the Council Chamber until 8 o'clock p.m., the 7th day of October, A.D., 1921, for the furnishing of all material and labor necessary in the installing of two (2) Steam Pumps and the sinking of two (2) Wells, for the Municipal Waterworks Sysem, as proposed and outlined by plans and specifications for each class of work, which said plans are now on file in the office of the City Clerk of said City where they may be inspected, and bidding blanks procured.

Each bidder will be required to accompany with his proposal a certified check in the amount of 10% of the amount of his bid for the guarantee that he will enter into a contract and bond in event of the award of contract.

Each bid must be submitted on the form furnished by the City which provides a means of bidding for each class of work separately; or the work as a whole.

The City of Collinsville, Ill., reserves the right to waive technicalities.

Contract to be awarded to the lowest responsible bidder.

JAMES BAILEY, City Clerk.

Bids: October 3.

Sanitary Sewer System

Brownville, N. Y.

Sealed proposals will be received by the Board of Trustees of the Village of Brownville, N. Y., until 8 p.m. (daylight saving time) of Monday, Oct. 3, 1921, for construction and installation of a sanitary sewer system and a water system according to plans and specifications now on file. Bids will be received on the work as a whole or separately under the following sub-divisions:

Contract A—General Sewer Contract.
Contract B—General Water System Contract.
Contract C—Reservoir Contract.
Contract D—Sewer tile and specials.
Contract E—Cast Iron Pipe and Specials.

Plans and specifications can be seen and bidding forms secured at the office of the Consulting Engineer.

By the Board of Trustees, Brownville, N. Y.

C. J. PATRICK, Clerk.

WILLIAM T. FIELD,
Consulting Engineer,
40 Flower Bldg., Watertown, N. Y.

Bids: Oct. 5.

Sewer Extensions, Pumping Station, Etc.

Glen Cove, N. Y.

Sealed proposals for the construction of sewer extensions, pumping stations and force mains will be received at the office of the City Clerk, Glen Cove, N. Y., until 12 o'clock noon of Wednesday, October 5, 1921.

There are about six miles of 8-inch vitrified pipe sewers, about 2,750 linear feet of 6-inch cast-iron force mains and three small underground concrete pumping stations. Each of the three stations contains two electrically-operated centrifugal pumps of about 200 gals. per minute capacity.

Plans and specifications may be seen at the office of the said City Clerk or at the office of Fuller & McClintock, Engineers, 170 Broadway, New York, from whom copies may be obtained upon the deposit of $10.00 for each set, which deposit will be returned upon return of the plans and specifications.

JAMES E. BURNS,
Mayor.

FULLER & McCLINTOCK,
Engineers.